BIG NEMAHA RIVER BASIN

06814000 TURKEY CREEK NEAR SENECA, KS

LOCATION.--Lat 39°56'52", long 96°06'30", in SW ¼ NW ¼ SW ¼ sec.20, T.1 S., R.12 E., Nemaha County, Hydrologic Unit 10240007, on left bank at downstream side of county highway bridge, 2.0 mi downstream from Clear Creek, 5.0 mi upstream from Big Nemaha River, and 8.0 mi northwest of Seneca.

DRAINAGE AREA.--276 mi^2.

PERIOD OF RECORD.--October 1948 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 1,037.53 ft above NGVD of 1929. Prior to Oct. 19, 1956, water-stage recorder (occasional operation only) and nonrecording gage on former channel 400 ft south of present site at present datum. Oct. 19, 1956, to June 15, 1957, nonrecording gage at highway bridge 1.2 mi upstream at different datum. June 16, 1957, to Mar. 27, 1958, nonrecording gage at present site and datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 4	1200	3,340	14.24	May 30	2330	4,860	17.28
Mar 5	1300	*5,330	*18.13				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	9.1	5.8	6.3	e9.1	538	71	28	332	13	4.6	0.81
2	1.9	20	5.5	5.8	e9.6	196	61	24	193	16	4.7	0.77
3	0.75	922	6.9	6.0	e9.8	105	55	21	111	39	4.1	0.70
4	0.42	1,540	8.6	3.7	e8.4	383	51	21	76	34	3.0	0.70
5	0.45	208	7.3	e6.3	e9.1	3,950	48	21	59	33	3.0	0.82
6	0.23	66	6.1	e2.4	e8.6	537	47	19	57	33	2.7	1.6
7	0.16	40	5.5	e2.1	e8.5	216	46	17	52	24	2.7	3.0
8	0.14	31	5.3	e2.0	e8.7	130	61	15	44	17	2.7	1.6
9	0.15	24	6.9	e2.5	e8.4	98	51	14	39	15	24	0.85
10	0.34	20	5.9	e3.1	e8.3	80	43	16	37	13	30	0.77
11	0.57	19	7.9	e3.8	e8.3	70	42	21	35	12	11	0.76
12	1.5	17	7.5	3.95	e12	60	39	18	33	21	6.3	0.75
13	5.0	14	6.8	e4.3	e7.7	56	37	222	59	17	4.7	0.58
14	5.1	14	7.0	e4.4	e9.5	54	36	138	56	10	4.1	0.55
15	14	14	8.0	e4.7	e5.4	52	35	52	48	8.2	3.4	0.63
16	6.8	13	8.1	e5.3	e5.2	61	34	35	39	7.4	2.0	0.71
17	2.9	14	8.2	e5.2	e9.3	58	32	30	29	6.7	1.9	0.57
18	2.4	15	9.0	e3.8	e28	51	31	117	30	6.0	1.7	0.45
19	3.7	13	8.6	e3.6	48	45	30	192	28	5.6	1.8	0.34
20	1.8	12	9.9	e4.6	422	42	30	64	23	5.5	1.6	0.32
21	1.1	11	11	e5.3	e497	37	29	44	21	5.6	1.5	0.29
22	0.88	11	11	e5.3	424	35	28	35	19	8.7	1.4	0.18
23	1.1	11	10	e7.8	318	36	27	34	18	6.5	1.4	0.23
24	1.3	10	19	e7.9	145	36	32	34	15	11	2.3	0.26
25	0.99	11	18	e6.2	72	36	69	29	14	26	2.6	0.24
26	1.1	14	12	e6.6	49	37	57	24	13	15	3.0	0.19
27	1.6	10	10	e6.6	46	192	36	21	14	8.2	2.0	0.16
28	1.8	7.0	13	e5.0	41	1,070	30	19	15	6.5	1.4	0.16
29	8.1	5.9	10	e6.1	45	252	27	16	14	8.1	1.2	0.14
30	14	6.1	7.9	e7.7	---	133	26	2,680	13	5.5	1.1	0.16
31	6.5	---	6.6	e8.2	---	92	---	1,390	---	5.4	0.92	---
MEAN	2.84	104	8.82	5.05	78.7	282	41.4	175	51.2	14.3	4.48	0.64
MAX	14	1,540	19	8.2	497	3,950	71	2,680	332	39	30	3.0
MIN	0.14	5.9	5.3	2.0	5.2	35	26	14	13	5.4	0.92	0.14
AC-FT	175	6,190	542	311	4,520	17,330	2,460	10,730	3,050	878	275	38

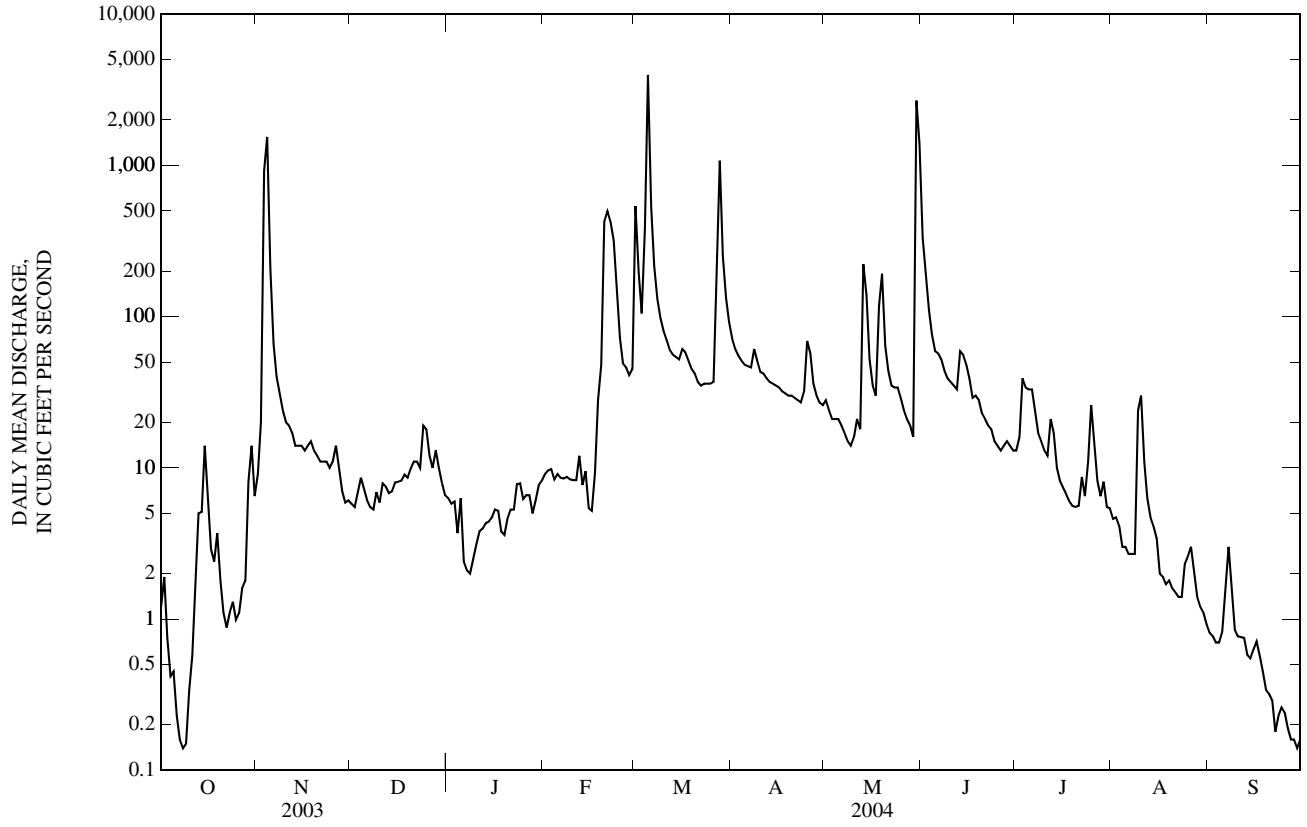
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2004, BY WATER YEAR (WY)

MEAN	80.2	49.2	32.5	39.1	91.8	205	171	225	235	199	77.7	128
MAX	1,050	419	206	310	372	1,297	1,079	1,354	2,067	3,193	914	1,057
(WY)	(1974)	(1999)	(1974)	(1962)	(1982)	(1979)	(1984)	(1995)	(1951)	(1993)	(1954)	(1958)
MIN	0.00	0.00	0.00	0.00	0.02	0.06	0.28	2.43	2.75	0.92	1.48	0.00
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1957)	(1956)	(1989)	(1977)	(1989)	(1988)	(1956)

06814000 TURKEY CREEK NEAR SENECA, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1949 - 2004	
ANNUAL MEAN	32.0		64.1		126	
HIGHEST ANNUAL MEAN					547	1993
LOWEST ANNUAL MEAN					3.24	1956
HIGHEST DAILY MEAN	1,840	May 9	3,950	Mar 5	16,700	Oct 11, 1973
LOWEST DAILY MEAN	0.10	Aug 18	0.14	Oct 8	0.00	Jul 28, 1956
ANNUAL SEVEN-DAY MINIMUM	0.17	Sep 24	0.19	Sep 24	0.00	Aug 21, 1956
MAXIMUM PEAK FLOW			5,330	Mar 5	21,400	Oct 11, 1973
MAXIMUM PEAK STAGE			18.13	Mar 5	24.77	Oct 11, 1973
INSTANTANEOUS LOW FLOW			0.12	Oct 8	0.00	Jul 28, 1956
ANNUAL RUNOFF (AC-FT)	23,180		46,510		91,510	
10 PERCENT EXCEEDS	26		69		200	
50 PERCENT EXCEEDS	6.8		11		21	
90 PERCENT EXCEEDS	0.67		0.87		2.0	

e Estimated



06827000 SOUTH FORK REPUBLICAN RIVER NEAR COLORADO-KANSAS STATE LINE, KS

LOCATION.--Lat 39°40'19", long 102°00'47", in NE ¼ SE ¼ SE ¼ sec.27, T.4 S., R.42 W., Cheyenne County, Hydrologic Unit 10250003, on left bank near downstream wingwall of bridge on county road, 2 mi downstream from CO-KS State line, 0.3 mi downstream from Cowpe Creek, 5 mi downstream from Beaver Creek, and 15 mi southwest of St. Francis and at mile 41.7.

DRAINAGE AREA.--1,860 mi^2.

PERIOD OF RECORD.--June 1945 to September 1956. June 2002 to current year. Records for June 1945 to September 1956 published in WSP 1086, 1116, 1146, 1176, 11210, 1241, 1280, 1340, 1390, 1440 are unreliable and should not be used.

GAGE.--Water-stage recorder. Datum of gage is 3,467.10 ft above NGVD of 1929. June 6, 1945, to Sept. 30, 1956, stilling well gage at same location, gage datum 3,469.98 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow affected by Bonny Lake (about 10 mi upstream), groundwater withdrawals, and diversions from Hale Ponds (about 5 mi upstream). Satellite telemeter at station.

EXTREMESE FOR PERIOD OF RECORD.--Maximum gage height, 7.91 ft, June 18, 1955 (discharge not determined).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	6.0	6.9	8.8	8.1	11	9.0	10	4.5	4.5	3.2	e0.77
2	2.6	6.2	7.0	8.8	7.8	11	8.9	9.9	4.4	4.9	2.7	e0.69
3	3.0	6.4	7.0	8.8	7.8	10	8.7	9.5	4.2	4.4	2.3	e0.63
4	3.0	6.5	6.9	8.5	8.3	10	8.9	9.3	4.2	3.9	2.2	e0.58
5	3.2	6.5	7.0	7.6	8.7	10	9.0	9.0	4.0	3.8	2.1	e0.54
6	3.0	6.6	7.5	e7.4	9.1	9.9	9.0	8.3	3.7	3.5	2.5	e0.48
7	3.0	6.8	8.0	e7.8	e8.6	9.5	9.0	8.1	3.5	3.4	2.9	e0.40
8	3.2	6.6	7.8	7.8	e9.0	9.6	8.9	7.9	3.2	3.1	2.7	0.33
9	3.1	6.5	8.1	7.6	e9.2	9.8	9.2	7.5	3.4	2.9	2.5	0.14
10	3.1	6.7	7.7	7.7	9.2	9.7	9.8	7.3	3.6	2.7	2.4	0.09
11	3.1	6.6	e6.2	7.4	9.1	9.2	9.7	7.3	3.3	2.5	2.4	0.09
12	3.4	6.4	e6.5	7.3	8.9	9.5	11	6.9	3.1	2.3	2.3	0.06
13	3.7	6.4	7.5	7.3	e9.0	9.7	11	7.2	2.9	2.2	2.1	0.01
14	3.9	6.5	9.2	7.3	e9.0	9.3	11	7.4	2.6	2.0	2.1	0.00
15	3.6	6.6	8.9	7.3	9.7	9.2	9.9	7.3	2.5	2.0	2.0	0.74
16	4.2	6.4	8.0	7.3	9.5	9.1	e9.5	7.0	2.8	2.9	2.3	0.85
17	4.2	6.4	8.7	7.3	9.3	9.4	e9.0	7.1	3.2	3.3	2.1	0.71
18	4.3	6.3	8.8	7.3	9.4	9.5	e8.6	7.3	3.9	2.9	1.8	0.64
19	4.3	6.2	8.6	7.3	9.5	9.5	e8.2	7.5	4.7	2.6	1.9	0.65
20	4.3	6.3	8.8	7.3	9.3	9.3	8.3	6.9	4.7	2.3	2.1	0.77
21	4.3	6.2	8.8	7.3	9.2	9.3	8.4	6.4	4.5	2.2	1.9	0.85
22	4.5	e6.0	8.7	7.3	9.0	9.4	12	6.0	4.5	2.3	1.8	2.2
23	4.6	5.9	8.7	7.3	8.8	9.7	13	5.6	3.9	3.2	1.6	2.4
24	4.9	5.8	8.7	7.3	8.9	9.7	13	5.4	3.4	3.7	1.4	2.3
25	4.8	7.3	8.9	7.3	8.7	9.5	12	5.4	3.2	4.0	e1.3	2.2
26	5.1	6.9	8.9	7.0	8.7	9.4	11	5.2	3.1	3.8	e1.1	2.1
27	5.4	6.7	8.9	6.6	8.5	9.4	11	4.9	3.2	3.5	e0.99	2.1
28	5.5	6.7	8.5	e6.6	8.8	9.1	10	4.7	3.3	3.3	1.2	2.2
29	5.7	7.2	8.0	e6.6	10	8.9	9.8	4.4	3.0	3.0	e1.1	2.3
30	5.7	7.2	8.6	e7.0	---	8.9	10	4.7	2.9	3.0	e0.94	2.2
31	5.7	---	9.1	8.0	---	9.0	---	4.7	---	3.6	e0.85	---
MEAN	4.02	6.49	8.09	7.49	8.93	9.56	9.89	6.97	3.58	3.15	1.96	1.00
MAX	5.7	7.3	9.2	8.8	10	11	13	10	4.7	4.9	3.2	2.4
MIN	2.2	5.8	6.2	6.6	7.8	8.9	8.2	4.4	2.5	2.0	0.85	0.00
AC-FT	247	386	498	461	514	588	589	429	213	194	121	60

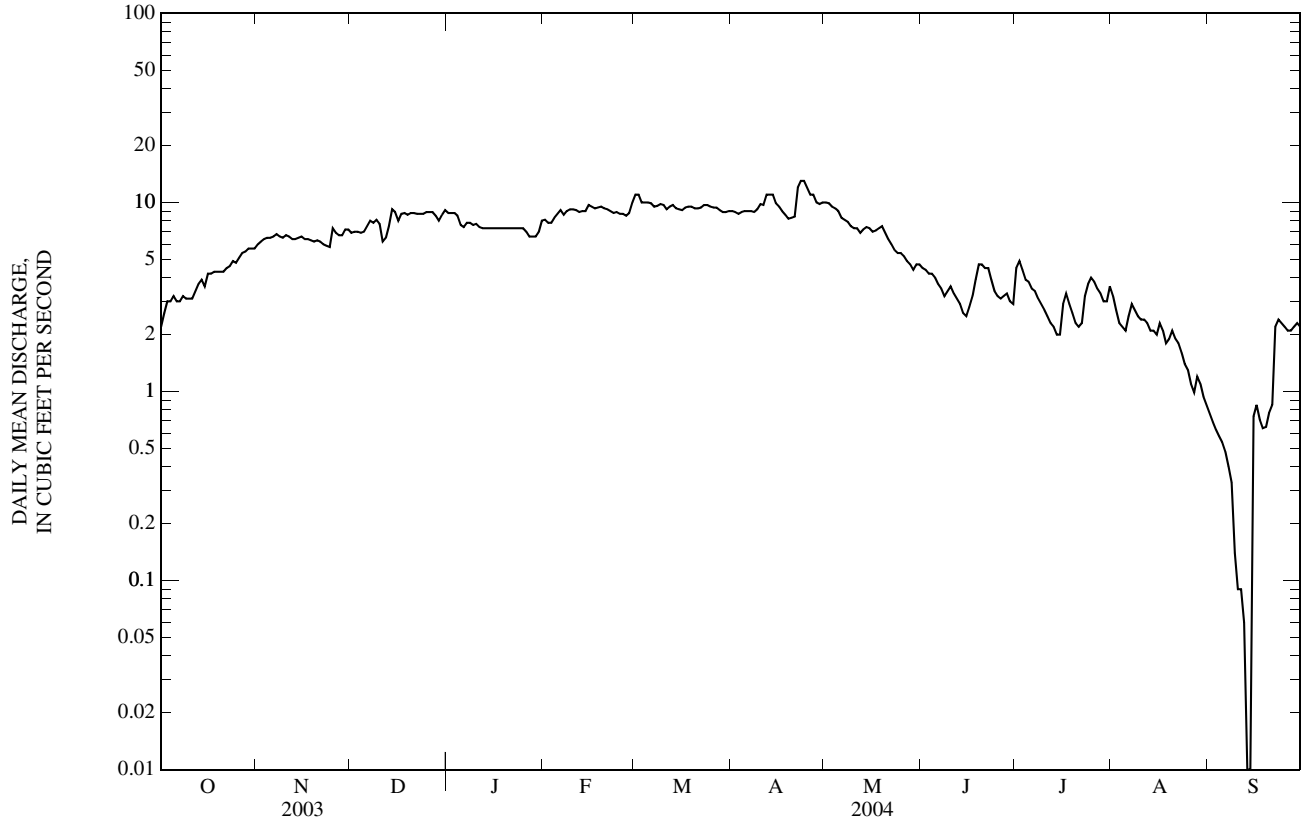
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	4.65	7.09	8.28	8.41	8.96	9.50	9.74	8.39	5.49	2.92	1.49	2.10
MAX	5.27	7.69	8.46	9.33	9.00	9.56	9.89	9.80	8.04	3.88	1.96	4.72
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2003)	(2003)	(2003)	(2004)	(2002)
MIN	4.02	6.49	8.09	7.49	8.93	9.45	9.59	6.97	3.58	1.72	1.06	0.58
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2004)	(2004)	(2002)	(2003)	(2003)

06827000 SOUTH FORK REPUBLICAN RIVER NEAR COLORADO-KANSAS STATE LINE, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL MEAN	6.60		5.92		6.38	
HIGHEST ANNUAL MEAN					6.83	2003
LOWEST ANNUAL MEAN					5.92	2004
HIGHEST DAILY MEAN	20	Jun 18	13	Apr 23	20	Jun 18, 2003
LOWEST DAILY MEAN	0.00	Aug 24	0.00	Sep 14	0.00	Aug 24, 2003
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 24	0.10	Sep 8	0.00	Aug 24, 2003
MAXIMUM PEAK FLOW			17	Dec 30	166	Jun 18, 2003
MAXIMUM PEAK STAGE			3.63	Dec 30	5.51	Jun 18, 2003
INSTANTANEOUS LOW FLOW			0.00	Sep 9	0.00	Aug 24, 2003
ANNUAL RUNOFF (AC-FT)	4,780		4,300		4,620	
10 PERCENT EXCEEDS	9.8		9.5		9.7	
50 PERCENT EXCEEDS	7.7		6.5		7.4	
90 PERCENT EXCEEDS	0.92		2.0		1.4	

e Estimated



06844900 SOUTH FORK SAPPA CREEK NEAR ACHILLES, KS

LOCATION.--Lat 39°40'37", long 100°43'18", in SW ¼ SW ¼ NW ¼ sec.29, T.4 S., R.30 W., Decatur County, Hydrologic Unit 10250010, on right bank at downstream side of county highway bridge, 5.5 mi southeast of Achilles, 14 mi southwest of Oberlin, and 18.5 mi upstream from confluence with North Fork.

DRAINAGE AREA.--446 mi^2, of which 68 mi^2 is probably noncontributing.

PERIOD OF RECORD.--July 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,722.42 ft above NGVD of 1929.

REMARKS.--Records poor. Natural flow affected by ground-water withdrawals. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul 4	0045	*20	*6.76	No peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.3	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.8	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00
7	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00
8	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
9	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00
11	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.79	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.27	0.02	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	3.3	0.53	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.3	16	1.1	0.00

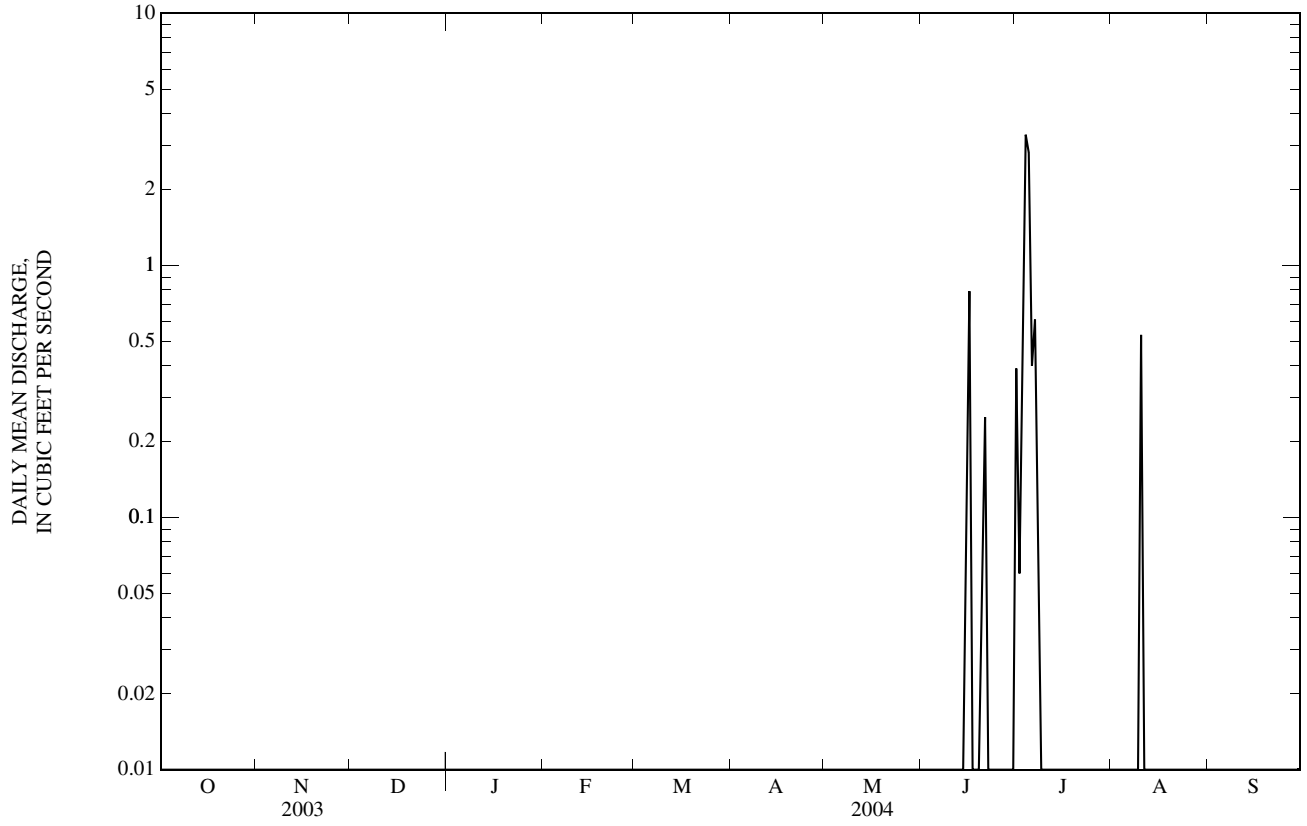
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2004, BY WATER YEAR (WY)

MEAN	0.90	0.19	0.18	0.30	0.90	6.96	1.39	3.81	11.4	6.58	3.40	1.57
MAX	37.9	3.78	2.48	2.78	16.4	243	20.0	31.9	200	116	36.9	33.2
(WY)	(1966)	(1966)	(1966)	(1993)	(1963)	(1960)	(1971)	(1981)	(1975)	(1982)	(1975)	(1965)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1960)	(1960)	(1960)	(1960)	(1961)	(1961)	(1961)	(1964)	(1980)	(1961)	(1961)	(1960)

06844900 SOUTH FORK SAPPA CREEK NEAR ACHILLES, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1960 - 2004	
ANNUAL MEAN	0.00		0.03		3.14	
HIGHEST ANNUAL MEAN					27.8	1960
LOWEST ANNUAL MEAN					0.00	2003
HIGHEST DAILY MEAN	0.01	Jun 29	3.3	Jul 4	3,060	Jun 19, 1975
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1959
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1959
MAXIMUM PEAK FLOW			20	Jul 4	5,310	Jun 19, 1975
MAXIMUM PEAK STAGE			6.76	Jul 4	11.90	Jun 15, 1996
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	many days
ANNUAL RUNOFF (AC-FT)	0.02		20		2,280	
10 PERCENT EXCEEDS	0.00		0.00		2.0	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated



06845000 SAPPA CREEK NEAR OBERLIN, KS

LOCATION.--Lat 39°48'47", long 100°32'02", in NW $^1/_4$ NW $^1/_4$ NW $^1/_4$ sec.12, T.3 S., R.29 W., Decatur County, Hydrologic Unit 10250011, on left bank at downstream side of State Highway 83 bridge, 1.1 mi south of intersection of Highways 36 and 83, 3.0 mi downstream from confluence of North and South Forks, and at mile 133.6.

DRAINAGE AREA.--1,086 mi^2, of which 163 mi^2 is probably noncontributing.

PERIOD OF RECORD.--October 1928 to September 1932. June 1944 to September 1972. October 1995 to current year. Monthly discharge only for some periods, published in WSP 1310.

REVISED RECORDS.--WSP 1340: 1929(M), 1931, 1944(M), 1947(M), 1949, 1951(M), 1953(M).

GAGE.--Water-stage recorder. Datum of gage 2,537.76 ft above NGVD of 1929. Mar. 18, 1929, to June 30, 1932, staff gage at site 3.3 mi downstream at datum 2,522.98 ft above NGVD of 1929, June 22, 1944, to June 15, 1945, wire-weight gage 150 ft downsteam of previous site at datum 2.20 ft lower. Jan. 16, 1945, to Sept. 30, 1955, water-stage recorder and concrete control 100 ft above previous wire-weight gage site at datum 2,522.50 ft above NGVD of 1929. Oct. 1, 1955, to May 21, 1958, and Jan. 5 to May 15, 1959, wire-weight gage at present site at different datum. May 20, 1959, to Sept. 30, 1972, water-stage recorder at site 3.7 mi upstream at datum 2,562.07 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow affected by ground-water withdrawals. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,600 ft^3/s, July 16, 1944 (gage height 15.28 ft, site and datum then in use, from floodmark), from rating curve extended above 4,200 ft^3/s on basis of peak flow over dam; no flow at times.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul 23	1115	*50	*8.72	No peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e2.8	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.07	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.10	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.42	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.93	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.03	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e1.3	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.04	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	e0.03	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.01
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.09	0.00	0.00	e1.1
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.27	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	e0.02	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.76
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e20	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	e0.23	0.00	0.00	e8.2	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.33	e0.13	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.02	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.82
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.04
29	0.00	0.00	0.00	0.00	e0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	1.10	0.00	0.09
MAX	0.00	0.00	0.00	0.00	0.05	0.03	0.23	0.00	0.27	20	0.13	1.1
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.1	0.1	0.5	0.00	0.7	68	0.3	5.4

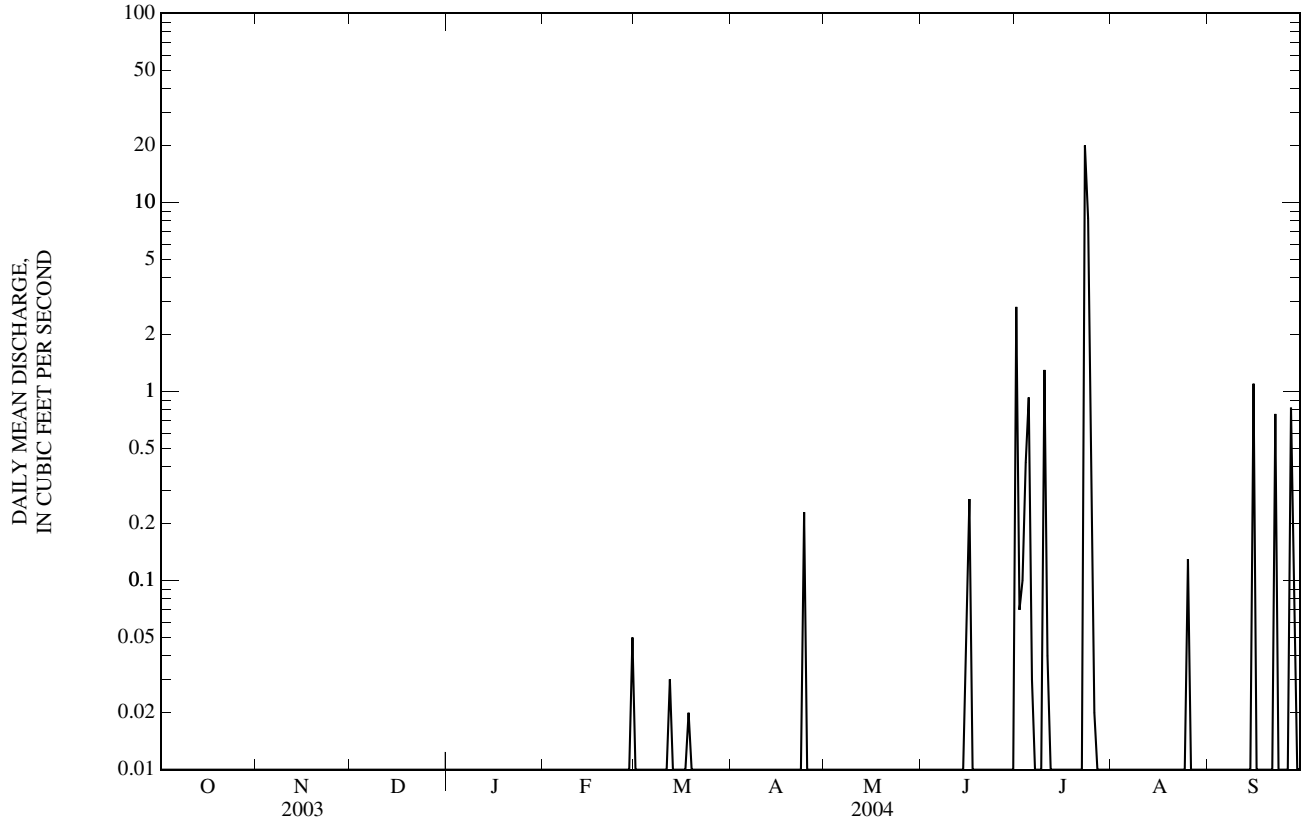
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	15.4	2.71	2.10	1.62	4.83	14.0	5.29	19.5	36.2	42.5	18.6	11.6
MAX	356	33.5	16.8	9.68	31.7	403	28.3	189	235	594	148	197
(WY)	(1947)	(1947)	(1947)	(1931)	(1949)	(1960)	(1931)	(1957)	(1957)	(1944)	(1949)	(1951)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1954)	(1955)	(1956)	(1955)	(1956)	(1956)	(1956)	(1956)	(1956)	(2002)	(1963)	(1953)

06845000 SAPPA CREEK NEAR OBERLIN, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL MEAN	0.35		0.10		13.6	
HIGHEST ANNUAL MEAN					84.2	1951
LOWEST ANNUAL MEAN					0.04	2002
HIGHEST DAILY MEAN	81	Apr 29	20	Jul 23	5,100	Mar 21, 1960
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Aug 29, 1947
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Jan 31, 1949
MAXIMUM PEAK FLOW			50	Jul 23	10,600	Jul 16, 1944
MAXIMUM PEAK STAGE			8.72	Jul 23	18.16	Jun 15, 1996
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	some days
ANNUAL RUNOFF (AC-FT)	250		75		9,840	
10 PERCENT EXCEEDS	0.04		0.00		16	
50 PERCENT EXCEEDS	0.00		0.00		0.40	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated



06845110 SAPPA CREEK NEAR LYLE, KS

LOCATION.--Lat 40°00'06", long 99°59'33", in NE ¼ NE ¼ NW ¼ sec.2, T.01 S., R.24 W., Norton County, Hydrologic Unit 10250011, on right bank at upstream side of county highway bridge, 11.5 mi north and 5.5 mi west of Norton, on Kansas-Nebraska State line, and at mile 66.4.

DRAINAGE AREA.--1,488 mi^2.

PERIOD OF RECORD.--October 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,223.14 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow affected by ground-water withdrawals and return flow from irrigated areas. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul 11	1200	*30	*6.08	No peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.04	0.08	0.51	e0.70	e0.40	e3.3	1.5	1.9	0.68	0.14	3.8	0.06
2	0.06	0.10	0.59	1.0	e0.30	e3.7	1.4	1.9	0.61	0.51	2.2	0.06
3	0.07	0.12	0.89	e0.80	e0.25	4.0	1.5	1.8	0.48	0.93	1.0	0.05
4	0.06	0.10	e0.70	e0.50	e0.25	3.5	1.5	1.9	0.32	1.6	0.57	0.05
5	0.06	0.11	e0.60	e0.20	e0.25	3.1	1.5	1.8	0.30	3.3	0.40	0.06
6	0.07	0.10	e0.66	e0.30	e0.20	e2.6	1.6	1.6	0.31	2.2	0.36	0.05
7	0.06	0.10	0.67	e0.56	e0.20	e2.4	3.9	1.6	0.24	3.3	0.33	0.05
8	0.06	0.11	e0.66	e0.70	e0.20	2.3	6.5	1.5	0.17	1.3	0.35	0.05
9	0.05	0.11	e0.66	e0.70	e0.30	2.3	3.6	1.4	0.11	0.75	0.31	0.05
10	0.07	0.14	e0.70	e0.80	e0.40	2.0	2.6	1.3	0.07	0.69	0.25	0.04
11	0.07	0.13	e0.60	e0.90	0.46	1.7	2.3	1.3	0.08	21	0.24	0.04
12	0.06	0.12	e0.50	e0.90	0.59	1.4	2.2	1.1	0.08	8.3	0.25	0.04
13	0.06	0.10	e0.60	e0.80	e0.44	1.3	2.4	1.0	0.05	2.5	0.28	0.04
14	0.07	0.09	e0.80	e0.90	0.49	1.4	2.4	1.3	0.03	1.2	0.22	0.04
15	0.07	0.09	1.2	e1.0	0.61	1.4	2.2	1.2	1.4	0.94	0.19	0.07
16	0.06	0.09	e1.1	1.3	0.90	1.3	2.0	1.1	0.85	0.80	0.19	0.04
17	0.06	0.09	e1.0	e1.0	1.1	1.3	1.7	1.3	1.1	0.56	0.17	0.05
18	0.06	0.09	0.89	e0.80	0.85	1.3	1.6	1.7	0.91	0.46	0.17	0.04
19	0.06	0.09	e0.80	e1.0	1.1	1.3	1.5	1.7	0.46	0.42	0.15	0.04
20	0.06	0.09	e0.80	e1.0	2.1	1.5	1.5	1.7	0.31	0.32	0.14	0.04
21	0.06	0.09	0.90	e1.0	2.4	1.3	1.5	1.7	0.25	0.35	0.14	0.05
22	0.06	0.10	1.1	e0.90	2.2	1.2	1.7	1.6	0.14	0.29	0.13	0.16
23	0.06	e0.14	e0.80	e1.0	2.8	1.4	2.2	1.5	0.13	0.39	0.12	0.38
24	0.06	e0.22	e0.60	e0.80	e2.3	1.4	2.9	1.4	0.11	0.50	0.11	0.24
25	0.06	0.34	e0.70	e0.70	e2.1	1.5	3.3	1.3	0.10	0.50	0.11	0.08
26	0.07	e0.36	e0.80	e0.50	e1.9	1.9	3.5	1.2	0.09	0.47	0.11	0.18
27	0.07	0.40	e0.70	e0.40	2.0	1.5	2.7	1.2	0.10	0.36	0.10	0.15
28	0.07	e0.36	e0.60	e0.30	2.5	1.8	2.3	1.2	0.10	0.60	0.10	0.10
29	0.08	e0.32	e0.63	e0.30	4.5	2.3	1.9	0.98	0.09	0.74	0.10	0.07
30	0.09	0.28	e0.70	e0.30	---	1.8	1.8	0.81	0.06	11	0.09	0.06
31	0.08	---	e0.63	e0.40	---	1.7	---	0.74	---	9.2	0.08	---
MEAN	0.06	0.16	0.74	0.72	1.18	1.96	2.31	1.41	0.32	2.44	0.41	0.08
MAX	0.09	0.40	1.2	1.3	4.5	4.0	6.5	1.9	1.4	21	3.8	0.38
MIN	0.04	0.08	0.50	0.20	0.20	1.2	1.4	0.74	0.03	0.14	0.08	0.04
AC-FT	3.9	9.2	46	45	68	121	137	87	19	150	25	4.8

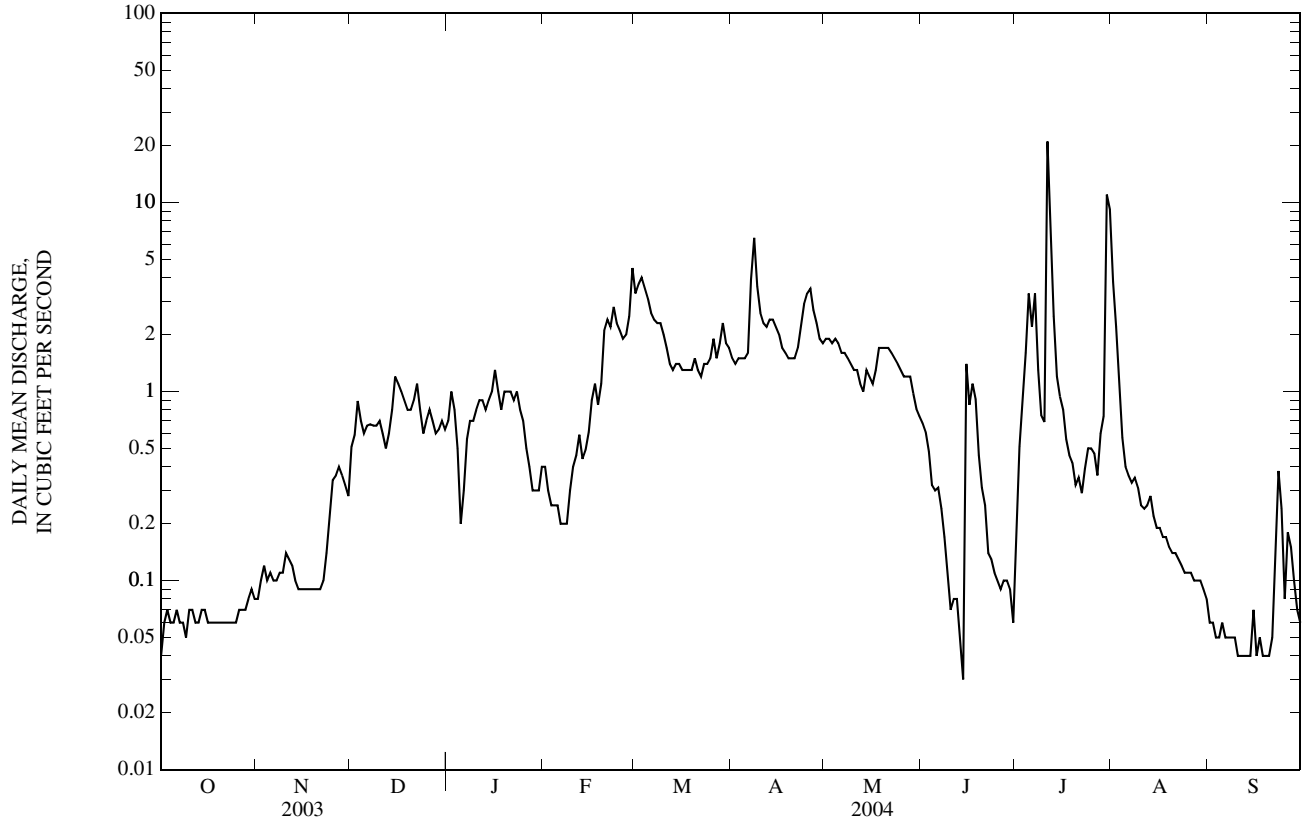
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	5.08	7.83	8.23	8.86	11.0	12.3	11.8	12.4	25.8	12.4	16.8	6.07
MAX	21.1	26.8	28.8	28.0	29.3	28.7	27.9	24.6	153	53.7	77.9	34.2
(WY)	(1997)	(1997)	(1997)	(1997)	(1997)	(1997)	(1997)	(1997)	(1996)	(1996)	(1996)	(1996)
MIN	0.06	0.16	0.73	0.72	1.18	1.96	2.31	1.41	0.32	0.43	0.09	0.06
(WY)	(2004)	(2004)	(2001)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2002)	(2003)	(2003)

06845110 SAPPA CREEK NEAR LYLE, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL MEAN	2.09		0.99		11.5	
HIGHEST ANNUAL MEAN					33.2	1996
LOWEST ANNUAL MEAN					0.99	2004
HIGHEST DAILY MEAN	25	Jun 18	21	Jul 11	642	Jun 23, 1996
LOWEST DAILY MEAN	0.02	Aug 8	0.03	Jun 14	0.02	Aug 8, 2003
ANNUAL SEVEN-DAY MINIMUM	0.03	Sep 13	0.04	Sep 8	0.03	Sep 13, 2003
MAXIMUM PEAK FLOW			30	Jul 11	786	Jun 23, 1996
MAXIMUM PEAK STAGE			6.08	Jul 11	17.46	Jun 23, 1996
INSTANTANEOUS LOW FLOW			0.02	Oct 1	0.01	Sep 18, 2003
ANNUAL RUNOFF (AC-FT)	1,510		715		8,360	
10 PERCENT EXCEEDS	4.5		2.2		26	
50 PERCENT EXCEEDS	1.7		0.60		6.2	
90 PERCENT EXCEEDS	0.05		0.06		0.40	

e Estimated



06846000 BEAVER CREEK AT LUDELL, KS

LOCATION.--Lat 39°50'53", long 100°57'40", in SE ¼ NW ¼ SW ¼ sec.30, T.2 S., R.32 W., Rawlins County, Hydrologic Unit 10250014, on left bank at downstream side of bridge on county highway, 0.5 mi south of Ludell, and 10.5 mi downstream from Little Beaver Creek, and at mile 147.8.

DRAINAGE AREA.--1,411 mi^2.

PERIOD OF RECORD.--March 1929 to June 1932, September 1945 to September 1953, annual maximum, 1961-88. Monthly discharge only for some periods, published in WSP 1310. October 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,753.93 ft above NGVD of 1929. March 1929 to June 1932 staff gage at railroad bridge 120 ft upstream from present site at datum 1.7 ft higher. September 1945 to October 1946 wire-weight gage on bridge 35 ft upstream from present site at same datum, and October 1946 to September 1953 water-stage recorder at same site and datum. August 1961 to September 1988 crest-stage gage at same site and datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow affected by Atwood City Lake, ground-water withdrawals, diversions upstream for irrigation, and return flow from irrigated areas. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul 16	0300	*182	*7.94	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e15	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e6.9	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e36	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115	0.00	0.00

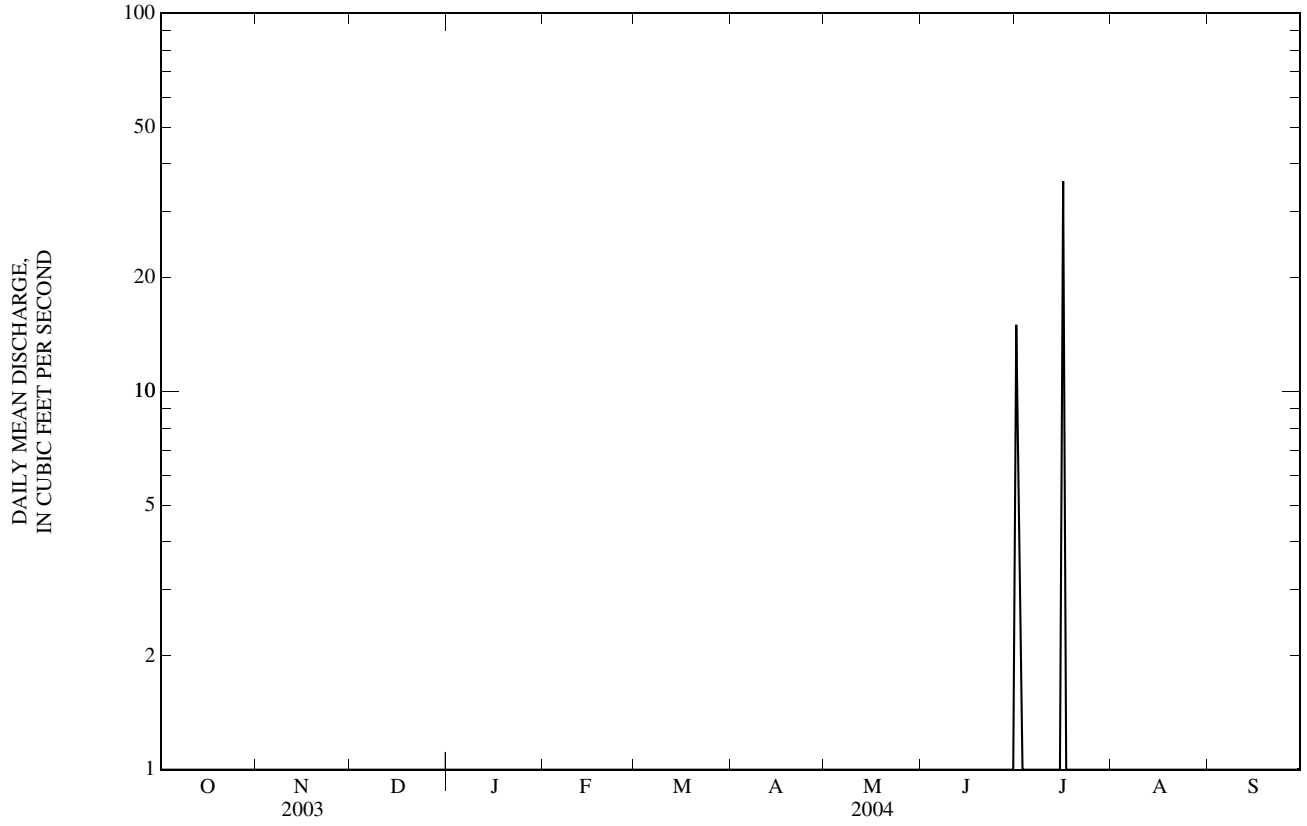
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	4.88	3.26	2.78	2.70	4.98	7.05	7.96	12.8	32.9	27.3	18.1	20.3
MAX	45.3	19.5	13.7	13.2	17.1	23.8	32.0	53.0	344	321	93.1	212
(WY)	(1947)	(1947)	(1947)	(1952)	(1952)	(1949)	(1949)	(1949)	(1951)	(1951)	(1996)	(1951)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1999)	(1996)	(2001)	(2001)	(2001)	(2001)	(2001)	(2002)	(2002)	(2002)	(2000)	(1953)

06846000 BEAVER CREEK AT LUDELL, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL MEAN	0.01		0.16		12.2	
HIGHEST ANNUAL MEAN					84.6	1951
LOWEST ANNUAL MEAN					0.01	2003
HIGHEST DAILY MEAN	2.5	Jun 29	36	Jul 16	2,000	Jul 13, 1951
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Nov 11, 1945
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Nov 11, 1945
MAXIMUM PEAK FLOW			182	Jul 16	3,800	May 24, 1965
MAXIMUM PEAK STAGE			7.94	Jul 16	11.37	May 24, 1965
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	most years
ANNUAL RUNOFF (AC-FT)	5.1		115		8,870	
10 PERCENT EXCEEDS	0.00		0.00		19	
50 PERCENT EXCEEDS	0.00		0.00		1.4	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated



06846500 BEAVER CREEK AT CEDAR BLUFFS, KS

LOCATION.--Lat 39°59'06", long 100°33'35", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.1 S., R.29 W., Decatur County, Hydrologic Unit 10250014, on right bank at downstream side of bridge on U.S. Highway 83, 0.2 mi north of Cedar Bluffs, 1.0 mi south of Kansas-Nebraska State line, and at mile 107.4.

DRAINAGE AREA.--1,618 mi^2, of which 294 mi^2 is probably noncontributing.

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for some periods, published in WSP 1310.

REVISED RECORDS.--WSP 1510: 1947, 1950-51.

GAGE.--Water-stage recorder. Datum of gage is 2,520.33 ft above NGVD of 1929. Prior to Aug. 19, 1971, at site 0.1 mi upstream at same datum. Aug. 19, 1971, to July 12, 1972, at site 0.8 mi downstream at datum 5.00 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1944 reached a stage of 18.16 ft, from floodmark.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 27	1945	*150	*7.55	No peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.06	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.01	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.02	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	e0.89	0.00	0.00
9	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	e0.04	0.00	0.00
10	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	e2.0	0.00	0.00
11	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	e3.0	0.00	0.00
12	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	e0.08	0.00	0.00
13	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e20
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e1.3
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.71
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.0	0.00	20
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	42

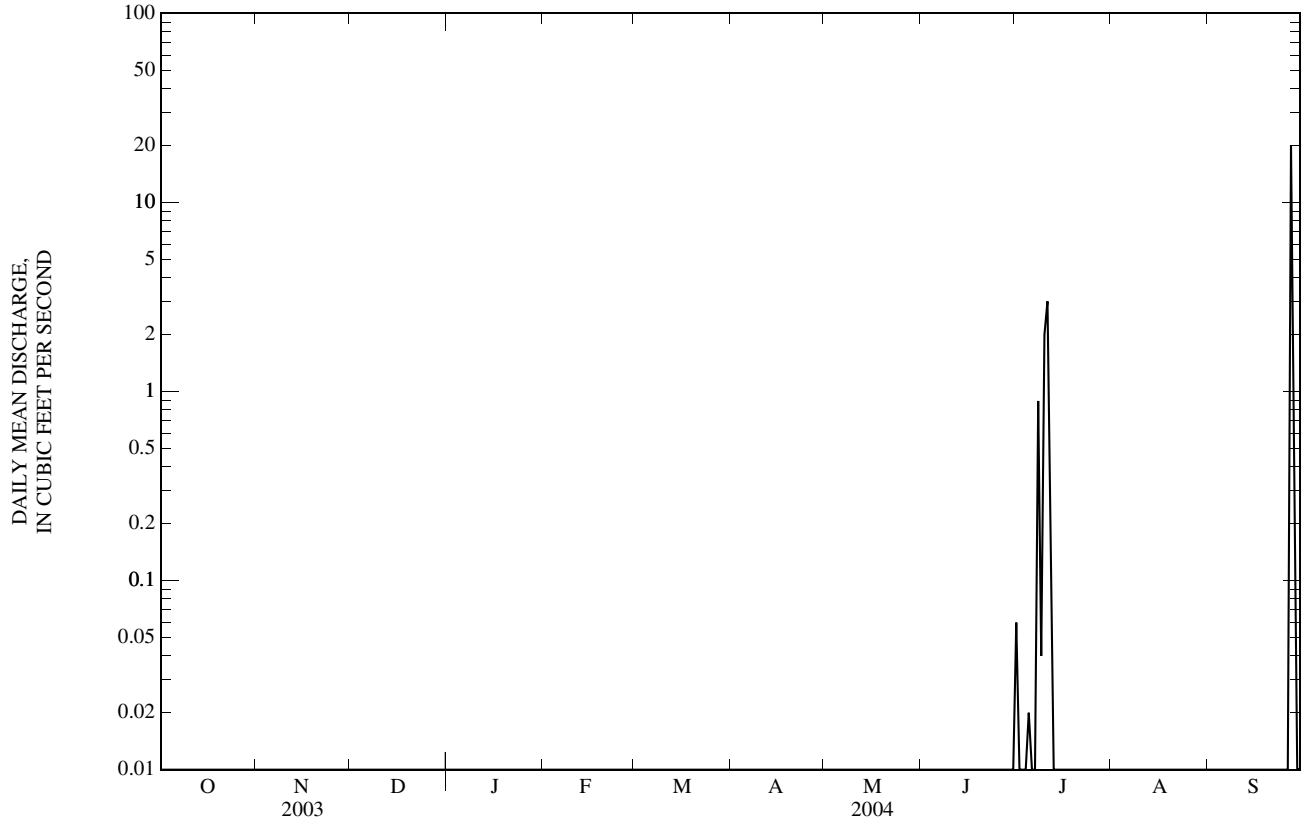
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2004, BY WATER YEAR (WY)

MEAN	8.22	2.71	2.33	2.02	3.57	10.9	6.71	21.8	36.0	27.6	14.5	14.9
MAX	231	39.6	30.4	28.4	28.1	369	61.7	432	278	391	146	421
(WY)	(1947)	(1966)	(1966)	(1966)	(1966)	(1960)	(1960)	(1957)	(1960)	(1951)	(1962)	(1951)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1954)	(1955)	(1955)	(1955)	(1956)	(1955)	(1955)	(1955)	(1979)	(1980)	(1955)	(1953)

06846500 BEAVER CREEK AT CEDAR BLUFFS, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1946 - 2004	
ANNUAL MEAN	0.06		0.07		12.7	
HIGHEST ANNUAL MEAN					106	1951
LOWEST ANNUAL MEAN					0.00	1991
HIGHEST DAILY MEAN	9.9	Apr 17	20	Sep 27	4,560	Jun 11, 1960
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Sep 3, 1946
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Sep 23, 1947
MAXIMUM PEAK FLOW			150	Sep 27	7,940	Jun 11, 1960
MAXIMUM PEAK STAGE			7.55	Sep 27	18.71	Jun 11, 1960
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	most years
ANNUAL RUNOFF (AC-FT)	45		54		9,170	
10 PERCENT EXCEEDS	0.00		0.00		21	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated



06847900 PRAIRIE DOG CREEK ABOVE KEITH SEBELIUS LAKE, KS

LOCATION.--Lat 39°46'11", long 100°06'01", in SE ¼ SE ¼ sec.23, T.3 S., R.25 W., Norton County, Hydrologic Unit 10250015, on right bank 50 ft downstream from county highway bridge, 4.0 mi east of Clayton, and at mile 90.4.

DRAINAGE AREA.--590 mi^2.

PERIOD OF RECORD.--June 1962 to current year. Prior to Dec. 28, 1980, published as Prairie Dog Creek above Norton Reservoir.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 2,334.94 ft above NGVD of 1929. Prior to Sept. 30, 1974, at datum 2.00 ft higher.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Diversions for irrigation upstream from station. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum known flood since at least 1944, 65,500 ft^3/s May 28, 1953, at site 9.4 mi downstream, based on contracted-opening measurement of peak flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 22	1400	*6.6	*3.76	No peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.07	0.15	e0.16	3.4	2.0	2.1	0.10	0.08	0.00	0.00
2	0.00	0.00	0.09	0.20	e0.16	2.3	2.2	2.0	0.07	0.64	0.00	0.00
3	0.00	0.00	0.09	0.17	e0.16	2.4	2.2	1.9	0.05	0.09	0.00	0.00
4	0.00	0.00	0.07	0.08	e0.16	2.1	2.1	1.9	0.00	0.00	0.00	0.00
5	0.00	0.00	0.05	e0.05	e0.15	2.2	2.2	1.9	0.11	0.42	0.00	0.00
6	0.00	0.00	0.05	e0.04	e0.10	2.0	2.2	1.8	0.07	0.11	0.00	0.00
7	0.00	0.00	0.12	e0.00	e0.10	1.8	2.3	1.6	0.00	0.00	0.00	0.00
8	0.00	0.00	0.10	0.01	e0.10	1.8	2.2	1.5	0.00	0.00	0.00	0.00
9	0.00	0.00	0.05	0.00	e0.12	1.8	2.3	1.4	0.00	0.00	0.00	0.00
10	0.00	0.00	0.10	0.11	e0.13	1.9	2.4	1.2	0.00	0.00	0.00	0.00
11	0.00	0.00	0.08	0.43	e0.12	1.8	2.4	1.1	0.00	0.00	0.00	0.00
12	0.00	0.00	0.10	0.28	e0.10	1.8	2.5	0.98	0.00	0.00	0.00	0.00
13	0.00	0.00	0.08	0.23	e0.11	1.9	2.4	0.92	0.00	0.00	0.00	0.00
14	0.00	0.00	0.10	0.26	e0.12	1.9	2.4	0.89	0.00	0.00	0.00	0.00
15	0.00	0.00	0.17	0.28	e0.14	1.9	2.4	0.94	0.00	0.00	0.00	0.00
16	0.00	0.00	0.13	0.29	e0.16	1.9	2.3	0.97	0.00	0.00	0.00	0.00
17	0.00	0.00	0.13	0.29	e0.18	2.0	2.2	1.0	0.00	0.00	0.00	0.00
18	0.00	0.00	0.15	0.24	e0.21	2.0	2.1	1.0	0.00	0.00	0.00	0.00
19	0.00	0.00	0.12	0.24	e0.40	2.0	1.9	1.1	0.00	0.00	0.00	0.00
20	0.00	0.00	0.14	e0.23	e1.0	2.0	1.8	1.1	0.00	0.00	0.00	0.00
21	0.00	0.00	0.18	0.26	2.4	1.8	1.8	1.0	0.00	0.00	0.00	0.00
22	0.00	0.00	0.17	0.25	2.7	1.9	2.0	0.86	0.00	0.00	0.00	0.00
23	0.00	0.00	0.14	0.26	2.0	2.1	2.1	0.67	0.00	0.00	0.00	0.00
24	0.00	0.00	0.12	0.27	2.1	2.2	2.4	0.52	0.00	0.00	0.00	0.00
25	0.00	0.01	0.16	0.27	1.8	2.2	2.5	0.40	0.00	0.00	0.00	0.00
26	0.00	0.04	0.16	0.36	2.3	2.2	2.3	0.34	0.00	0.00	0.00	0.00
27	0.00	0.02	0.17	e0.30	3.0	2.3	2.1	0.30	0.00	0.00	0.00	0.00
28	0.00	0.02	0.13	0.34	2.8	2.2	2.1	0.23	0.00	0.07	0.00	0.00
29	0.00	0.06	0.11	e0.20	3.2	2.1	2.1	0.16	0.00	0.56	0.00	0.00
30	0.00	0.08	0.14	e0.16	---	2.0	2.0	0.13	0.00	0.00	0.00	0.00
31	0.00	---	0.16	e0.16	---	2.0	---	0.11	---	0.00	0.00	---
MEAN	0.00	0.01	0.12	0.21	0.90	2.06	2.20	1.03	0.01	0.06	0.00	0.00
MAX	0.00	0.08	0.18	0.43	3.2	3.4	2.5	2.1	0.11	0.64	0.00	0.00
MIN	0.00	0.00	0.05	0.00	0.10	1.8	1.8	0.11	0.00	0.00	0.00	0.00
AC-FT	0.00	0.5	7.2	13	52	127	131	64	0.8	3.9	0.00	0.00

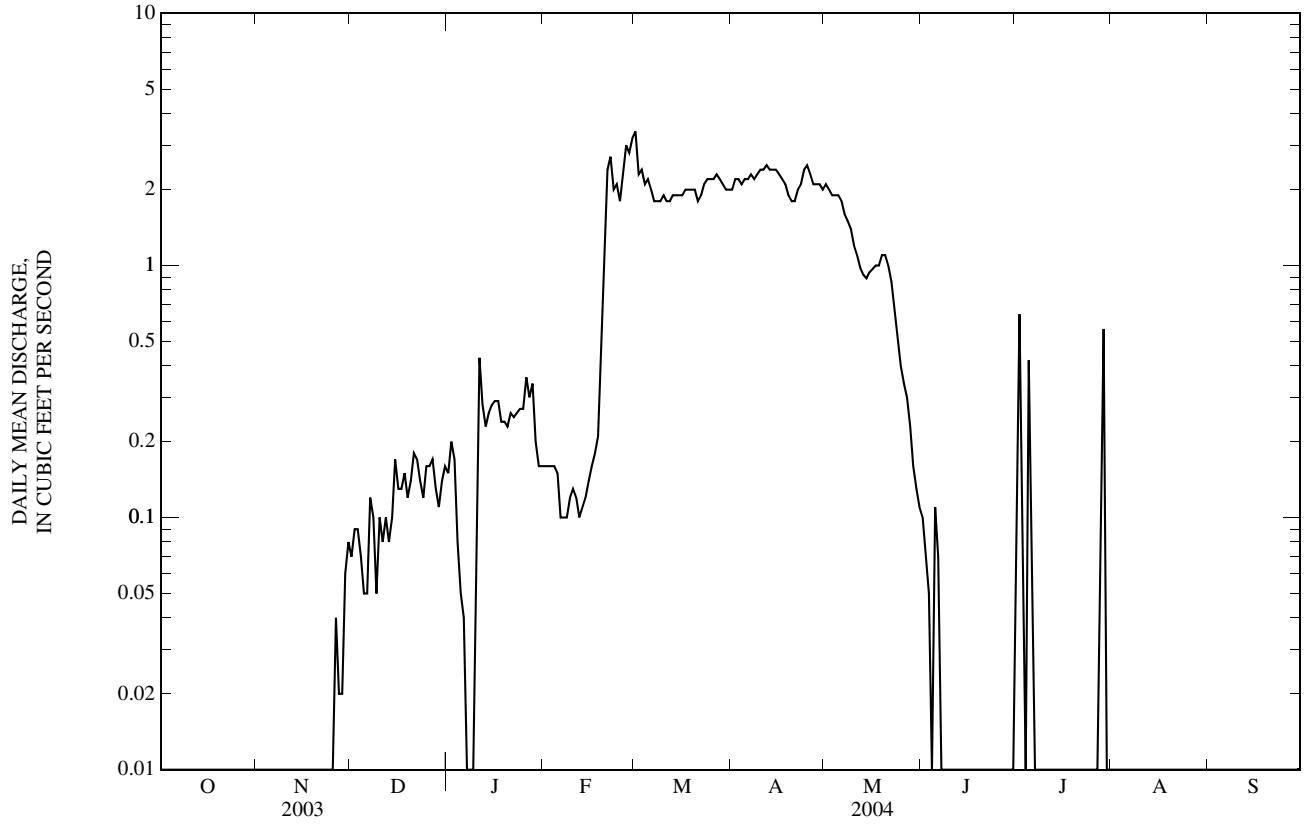
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2004, BY WATER YEAR (WY)

MEAN	4.31	2.26	2.46	2.70	5.06	8.62	5.96	9.18	25.0	15.0	10.4	10.8
MAX	106	14.8	12.2	10.4	19.8	129	31.8	33.0	280	81.0	83.0	163
(WY)	(1966)	(1966)	(1997)	(1997)	(1966)	(1993)	(1971)	(1977)	(1996)	(1965)	(1992)	(1965)
MIN	0.00	0.00	0.00	0.00	0.00	0.06	0.08	0.69	0.01	0.00	0.00	0.00
(WY)	(1965)	(1965)	(1981)	(1981)	(1981)	(1982)	(1982)	(1992)	(2004)	(1991)	(1980)	(1964)

06847900 PRAIRIE DOG CREEK ABOVE KEITH SEBELIUS LAKE, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1963 - 2004	
ANNUAL MEAN	1.29		0.55		8.48	
HIGHEST ANNUAL MEAN					42.1	1965
LOWEST ANNUAL MEAN					0.27	1981
HIGHEST DAILY MEAN	6.3	Apr 24	3.4	Mar 1	3,150	Jun 24, 1996
LOWEST DAILY MEAN	0.00	Jul 14	0.00	Oct 1	0.00	Jun 26, 1963
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 14	0.00	Oct 1	0.00	Jun 26, 1963
MAXIMUM PEAK FLOW			6.6	Feb 22	8,880	Sep 6, 1972
MAXIMUM PEAK STAGE			3.76	Feb 22	14.81	Sep 6, 1972
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	many years
ANNUAL RUNOFF (AC-FT)	932		398		6,140	
10 PERCENT EXCEEDS	3.3		2.1		11	
50 PERCENT EXCEEDS	0.69		0.07		2.0	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated



06847950 KEITH SEBELIUS LAKE NEAR NORTON, KS

LOCATION.--Lat 39°48'29", long 99°56'03", in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.8, T.3 S., R.23 W., Norton County, Hydrologic Unit 10250015, in control tower near left end of Norton Dam on Prairie Dog Creek, 3.0 mi southwest of Norton, and at mile 74.9.

DRAINAGE AREA.--683 mi^2.

PERIOD OF RECORD.--October 1964 to current year. Prior to Dec. 28, 1980, published as "Norton Reservoir near Norton."

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Bureau of Reclamation).

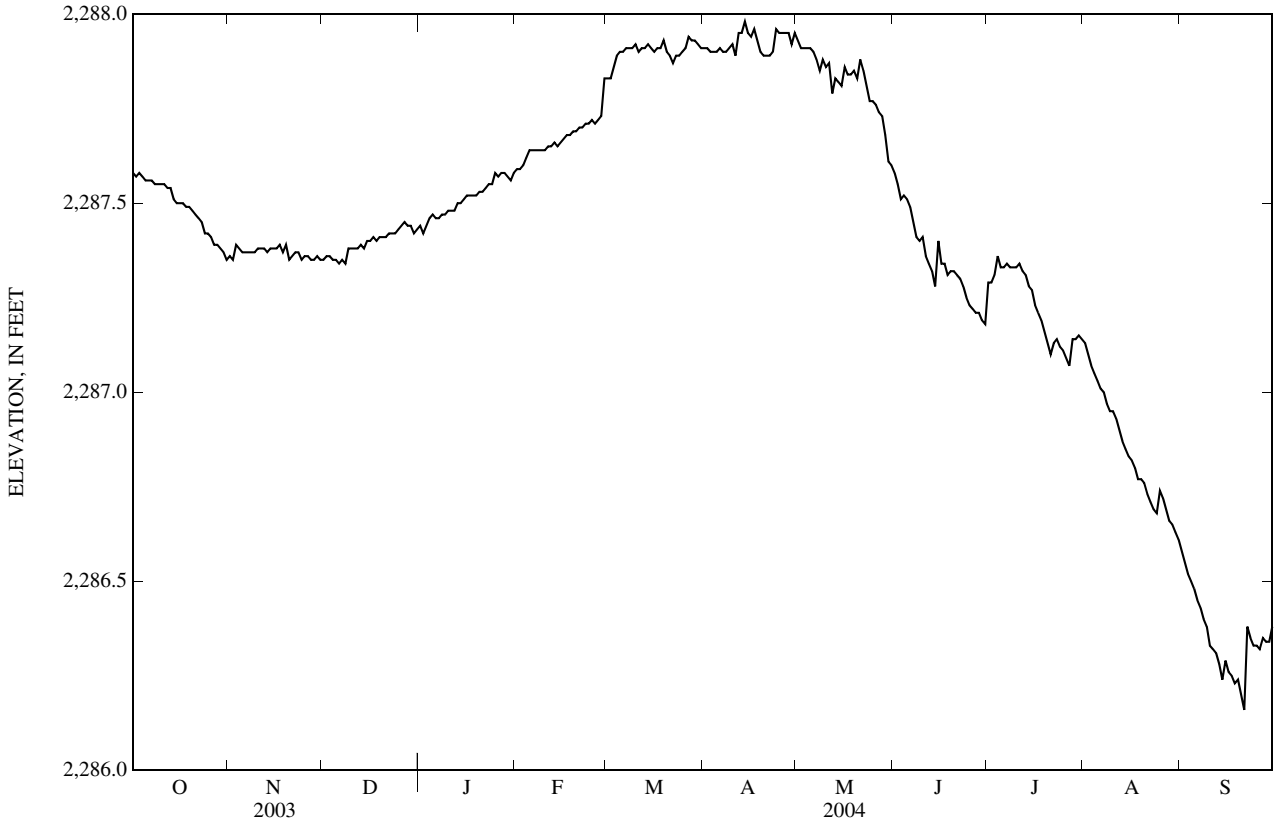
REMARKS.--Reservoir is formed by compacted earthfill dam. Storage began Oct. 6, 1964. Total capacity, 193,023 acre-ft, consisting of the following: Sedimentation, 2,920 acre-ft below elevation 2,275.5 ft; conservation pool, 33,010 acre-ft, between elevations 2,275.5 ft and 2,304.3 ft; flood-control pool, 98,800 acre-ft, between elevations 2,304.3 ft and 2,331.4 ft; and surcharge pool, 58,280 acre-ft, between elevations 2,331.4 ft and 2,341.0 ft. Reservoir is used for flood control and irrigation in Almena Unit, Missouri River Basin project. Figures given herein represent total contents. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 2,306.58 ft, Feb. 25, 1997, contents, 41,160 acre-ft; minimum elevation since conservation pool was first filled, 2,275.82 ft, Nov. 27, 28, 1981, Jan. 24, 30, 31, 1982 contents, 3,050 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 2,287.97 ft, Apr. 24, contents, 9,630 acre-ft; minimum elevation 2,286.16 ft, Sept. 21, contents, 8,070 acre-ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on field survey of Bureau of Reclamation in 2000)
(Effective date October 1, 2001)

Elevation	Contents	Elevation	Contents	Elevation	Contents
2,286	7,940	2,288	9,660	2,290	11,640



06847950 KEITH SEBELIUS LAKE NEAR NORTON, KS—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,287.58	2,287.36	2,287.35	2,287.44	2,287.59	2,287.83	2,287.91	2,287.93	2,287.58	2,287.29	2,287.13	2,286.58
2	2,287.57	2,287.35	2,287.36	2,287.42	2,287.59	2,287.83	2,287.91	2,287.91	2,287.55	2,287.29	2,287.10	2,286.55
3	2,287.58	2,287.39	2,287.36	2,287.44	2,287.60	2,287.86	2,287.90	2,287.91	2,287.51	2,287.31	2,287.07	2,286.52
4	2,287.57	2,287.38	2,287.35	2,287.46	2,287.62	2,287.89	2,287.90	2,287.91	2,287.52	2,287.36	2,287.05	2,286.50
5	2,287.56	2,287.37	2,287.35	2,287.47	2,287.64	2,287.90	2,287.90	2,287.91	2,287.51	2,287.33	2,287.03	2,286.48
6	2,287.56	2,287.37	2,287.34	2,287.46	2,287.64	2,287.90	2,287.91	2,287.90	2,287.49	2,287.33	2,287.01	2,286.45
7	2,287.56	2,287.37	2,287.35	2,287.46	2,287.64	2,287.91	2,287.90	2,287.88	2,287.45	2,287.34	2,287.00	2,286.43
8	2,287.55	2,287.37	2,287.34	2,287.47	2,287.64	2,287.91	2,287.90	2,287.85	2,287.41	2,287.33	2,286.97	2,286.40
9	2,287.55	2,287.37	2,287.38	2,287.47	2,287.64	2,287.91	2,287.91	2,287.88	2,287.40	2,287.33	2,286.95	2,286.38
10	2,287.55	2,287.38	2,287.38	2,287.48	2,287.64	2,287.92	2,287.92	2,287.86	2,287.41	2,287.33	2,286.95	2,286.33
11	2,287.55	2,287.38	2,287.38	2,287.48	2,287.65	2,287.90	2,287.89	2,287.87	2,287.36	2,287.34	2,286.93	2,286.32
12	2,287.54	2,287.38	2,287.38	2,287.48	2,287.65	2,287.91	2,287.95	2,287.79	2,287.34	2,287.32	2,286.90	2,286.31
13	2,287.54	2,287.37	2,287.39	2,287.50	2,287.66	2,287.91	2,287.95	2,287.83	2,287.32	2,287.31	2,286.87	2,286.28
14	2,287.51	2,287.38	2,287.38	2,287.50	2,287.65	2,287.92	2,287.98	2,287.82	2,287.28	2,287.28	2,286.85	2,286.24
15	2,287.50	2,287.38	2,287.40	2,287.51	2,287.66	2,287.91	2,287.95	2,287.81	2,287.40	2,287.27	2,286.83	2,286.29
16	2,287.50	2,287.38	2,287.40	2,287.52	2,287.67	2,287.90	2,287.94	2,287.86	2,287.34	2,287.23	2,286.82	2,286.26
17	2,287.50	2,287.39	2,287.41	2,287.52	2,287.68	2,287.91	2,287.96	2,287.84	2,287.34	2,287.21	2,286.80	2,286.25
18	2,287.49	2,287.37	2,287.40	2,287.52	2,287.68	2,287.91	2,287.93	2,287.84	2,287.31	2,287.19	2,286.77	2,286.23
19	2,287.49	2,287.39	2,287.41	2,287.52	2,287.69	2,287.93	2,287.90	2,287.85	2,287.32	2,287.16	2,286.77	2,286.24
20	2,287.48	2,287.35	2,287.41	2,287.53	2,287.69	2,287.90	2,287.89	2,287.83	2,287.32	2,287.13	2,286.76	2,286.20
21	2,287.47	2,287.36	2,287.41	2,287.53	2,287.70	2,287.89	2,287.89	2,287.88	2,287.31	2,287.10	2,286.73	2,286.16
22	2,287.46	2,287.37	2,287.42	2,287.54	2,287.70	2,287.87	2,287.89	2,287.85	2,287.30	2,287.13	2,286.71	2,286.38
23	2,287.45	2,287.37	2,287.42	2,287.55	2,287.71	2,287.89	2,287.90	2,287.81	2,287.28	2,287.14	2,286.69	2,286.35
24	2,287.42	2,287.35	2,287.42	2,287.55	2,287.71	2,287.89	2,287.96	2,287.77	2,287.25	2,287.12	2,286.68	2,286.33
25	2,287.42	2,287.36	2,287.43	2,287.58	2,287.72	2,287.90	2,287.95	2,287.77	2,287.23	2,287.11	2,286.74	2,286.33
26	2,287.41	2,287.36	2,287.44	2,287.57	2,287.71	2,287.91	2,287.95	2,287.76	2,287.22	2,287.09	2,286.72	2,286.32
27	2,287.39	2,287.35	2,287.45	2,287.58	2,287.72	2,287.94	2,287.95	2,287.74	2,287.21	2,287.07	2,286.69	2,286.35
28	2,287.39	2,287.35	2,287.44	2,287.58	2,287.73	2,287.93	2,287.95	2,287.73	2,287.21	2,287.14	2,286.66	2,286.34
29	2,287.38	2,287.36	2,287.44	2,287.57	2,287.83	2,287.93	2,287.92	2,287.68	2,287.19	2,287.14	2,286.65	2,286.34
30	2,287.37	2,287.35	2,287.42	2,287.56	---	2,287.92	2,287.95	2,287.61	2,287.18	2,287.15	2,286.63	2,286.38
31	2,287.35	---	2,287.43	2,287.58	---	2,287.91	---	2,287.60	---	2,287.14	2,286.61	---
MEAN	2,287.49	2,287.37	2,287.39	2,287.51	2,287.67	2,287.90	2,287.92	2,287.82	2,287.35	2,287.23	2,286.84	2,286.35
MAX	2,287.58	2,287.39	2,287.45	2,287.58	2,287.83	2,287.94	2,287.98	2,287.93	2,287.58	2,287.36	2,287.13	2,286.58
MIN	2,287.35	2,287.35	2,287.34	2,287.42	2,287.59	2,287.83	2,287.89	2,287.60	2,287.18	2,287.07	2,286.61	2,286.16
(+)	9,080	9,080	9,150	9,280	9,500	9,580	9,610	9,300	8,930	8,890	8,440	8,250
(#)	-20	0	+70	+130	+220	+80	+30	-310	-370	-40	-450	-190

CAL YR 2003 ..... (#) -4,240
WTR YR 2004 ..... (#) -850

+ CONTENTS, IN ACRE-FEET, AT END OF MONTH.
# CHANGE IN CONTENTS, IN ACRE-FEET.

06848500 PRAIRIE DOG CREEK NEAR WOODRUFF, KS

LOCATION.--Lat 39°59'07", long 99°28'26", in NW $^1/_4$ NW $^1/_4$ sec.9, T.1 S., R.19 W., Phillips County, Hydrologic Unit 10250015, on left bank at downstream side of bridge on U.S. Highway 383, 1.0 mi south of Kansas-Nebraska State line, 2.5 mi west of Woodruff, and at mile 26.5.

DRAINAGE AREA.--1,007 mi^2.

PERIOD OF RECORD.--October 1928 to September 1932, October 1944 to current year. Monthly discharge only for some periods, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 2,016.20 ft above NGVD of 1929. See WSP 1919 for history of changes prior to Oct. 7, 1955.

REMARKS.--Records fair. Flow regulated to some extent since 1964 by Keith Sebelius Lake (station 06847950), 48.4 mi upstream, and by irrigation development upstream from station. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

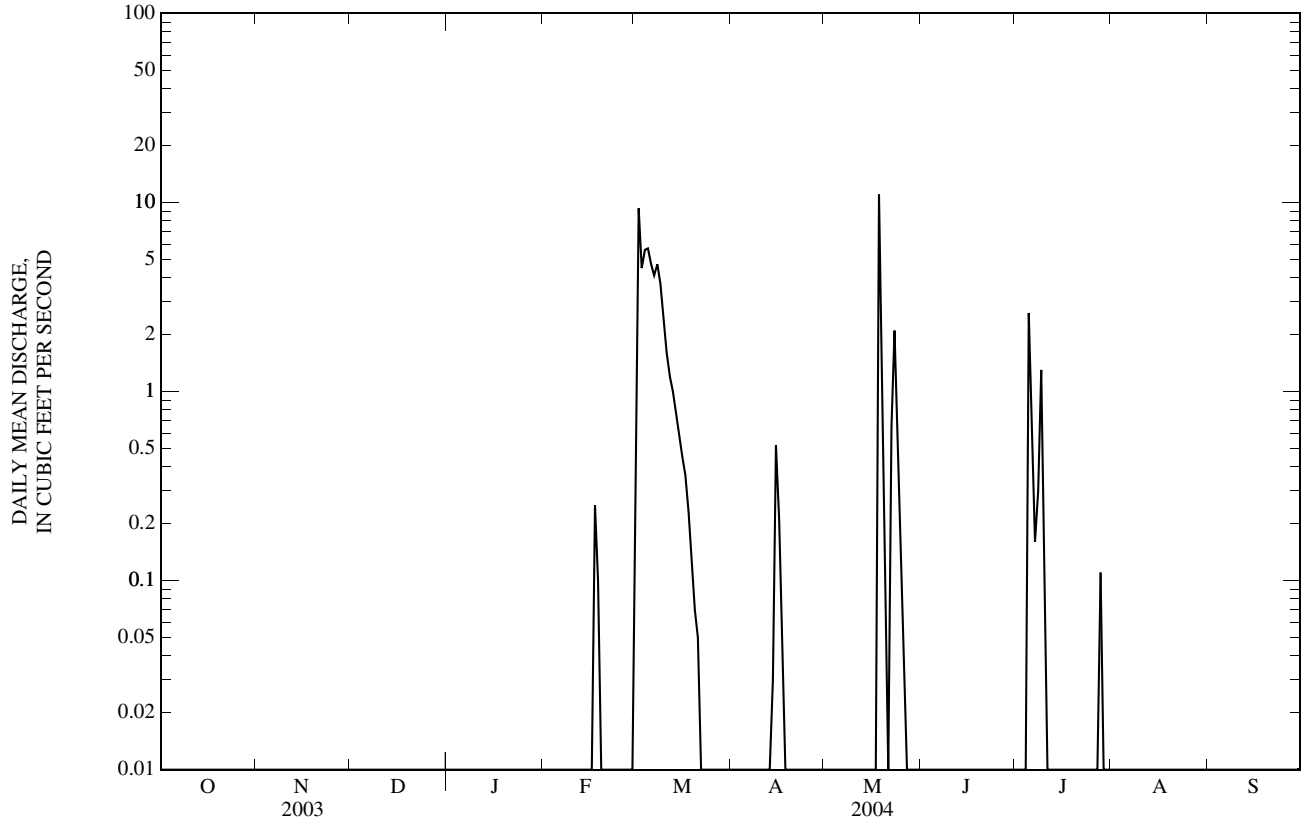
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	9.3	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	4.5	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	5.6	0.00	0.00	0.00	0.01	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	5.7	0.00	0.00	0.00	2.6	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	4.7	0.00	0.00	0.00	0.68	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	4.1	0.00	0.00	0.00	0.16	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	4.7	0.00	0.00	0.00	0.30	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	3.7	0.00	0.00	0.00	1.3	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	2.5	0.00	0.00	0.00	0.28	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	1.6	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	1.2	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	1.0	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.77	0.03	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.59	0.52	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.45	0.21	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.25	0.36	0.04	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.10	0.23	0.00	11	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.01	0.12	0.00	0.65	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.06	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.65	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.1	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
MEAN	0.00	0.00	0.00	0.00	0.01	1.68	0.03	0.50	0.00	0.18	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.25	9.3	0.52	11	0.00	2.6	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.7	103	1.6	31	0.00	11	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	18.4	6.35	5.32	5.36	15.5	17.2	9.92	41.2	82.8	59.4	33.1	22.0
MAX	429	56.5	26.0	22.5	230	240	36.6	422	1,041	1,070	430	402
(WY)	(1947)	(1931)	(1947)	(1931)	(1932)	(1960)	(1952)	(1949)	(1947)	(1951)	(1950)	(1951)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1955)	(1956)	(1956)	(1956)	(1957)	(1957)	(1985)	(1992)	(1984)	(1984)	(1959)	(1960)

06848500 PRAIRIE DOG CREEK NEAR WOODRUFF, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL MEAN	1.50		0.20		25.7	
HIGHEST ANNUAL MEAN					208	1951
LOWEST ANNUAL MEAN					0.05	1991
HIGHEST DAILY MEAN	20	Jul 10	11	May 18	9,700	Jun 23, 1947
LOWEST DAILY MEAN	0.00	Aug 4	0.00	Oct 1	0.00	Oct 29, 1945
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 4	0.00	Oct 1	0.00	Oct 5, 1948
MAXIMUM PEAK FLOW			39	May 18	15,000	Jun 23, 1947
MAXIMUM PEAK STAGE			4.11	May 18	21.04	Jun 23, 1947
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	most years
ANNUAL RUNOFF (AC-FT)	1,090		147		18,600	
10 PERCENT EXCEEDS	3.6		0.08		27	
50 PERCENT EXCEEDS	1.2		0.00		4.0	
90 PERCENT EXCEEDS	0.00		0.00		0.00	



06853500 REPUBLICAN RIVER NEAR HARDY, NE

LOCATION.--Lat 39°59'33", long 97°55'56", in NE ¼ NE ¼ SE ¼ sec.1, T.1 S., R.6 W., in Kansas, Republic County, Hydrologic Unit 10250016, on right bank at upstream side of county highway bridge, 1.2 mi southwest of Hardy, NE, and at mile 141.2.

DRAINAGE AREA.--22,401 mi^2, of which about 7,500 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD.--June 1904 to September 1915 (no winter records), April 1931 to current year. Prior to May 1932, published as "at Bostwick." Records for June 1896 to November 1903 published as "near Superior" in 18th to 22nd Ann. Repts., inclusive, Pt. 4, and WSP 75, 84, and 99, have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 806: Drainage area. WSP 1006: 1941. WSP 1340: 1905(M), 1907-09, 1912, 1914-15, 1931. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 1,501.46 ft above NGVD of 1929. Prior to May 19, 1932, nonrecording gage at site at Bostwick, 20 mi upstream at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow affected by irrigation development upstream from station and by storage in reservoirs in Colorado, Kansas, and Nebraska. Considerable regulation since 1952 by Harlan County Lake (station 06849000). Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stages since at least 1895, that of June 2, 1935, and 17.00 ft June 24, 1947, discharge, 100,000 ft^3/s, based on records for upstream stations.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	22	26	24	e20	209	54	39	48	43	23	8.6
2	24	34	26	24	e21	208	52	37	45	98	42	8.9
3	22	35	26	24	e22	209	49	37	45	943	75	11
4	21	43	26	e23	e24	190	48	37	40	436	63	10
5	21	35	26	e22	e23	333	47	36	40	335	57	13
6	20	32	25	e21	e21	315	47	36	41	175	50	15
7	20	30	26	e21	e18	257	48	34	40	121	38	13
8	19	29	27	e22	e17	206	50	33	37	251	e33	13
9	20	28	24	e24	e18	176	44	61	35	692	e26	13
10	20	28	e23	e30	e19	161	43	105	32	427	e24	12
11	23	28	e23	e34	e20	152	43	118	32	289	e20	13
12	22	27	e22	e34	e20	144	44	62	36	204	16	12
13	21	26	e22	e32	e21	141	46	49	48	204	16	11
14	22	27	e22	e31	e22	139	44	45	38	134	16	11
15	21	26	e23	e28	e23	138	43	43	104	81	15	15
16	21	26	e28	e27	e23	136	42	41	109	72	15	17
17	22	26	e35	e27	e25	133	41	41	76	60	13	16
18	22	25	30	e27	e26	133	41	82	102	53	16	15
19	21	25	29	e29	e30	131	40	98	95	50	33	14
20	20	25	28	e29	e40	129	40	540	64	46	27	13
21	19	25	29	e28	e70	125	39	350	57	42	20	13
22	19	25	29	e27	e170	121	40	193	50	41	18	14
23	19	e25	27	e26	325	113	41	120	45	42	15	27
24	19	e23	26	e26	255	80	46	89	39	38	15	21
25	19	e24	25	e25	189	69	48	73	36	38	15	18
26	20	e26	26	e22	156	67	43	70	36	35	12	16
27	21	27	27	e20	142	74	40	63	61	34	10	15
28	21	26	26	e18	148	75	39	59	65	33	7.9	14
29	22	26	25	e18	173	65	37	59	55	34	8.9	15
30	21	26	24	e18	---	58	38	60	51	28	7.9	14
31	21	---	24	e20	---	56	---	51	---	26	8.1	---
MEAN	20.9	27.7	26.0	25.2	71.8	147	43.9	89.1	53.4	165	24.4	14.1
MAX	25	43	35	34	325	333	54	540	109	943	75	27
MIN	19	22	22	18	17	56	37	33	32	26	7.9	8.6
AC-FT	1,290	1,650	1,600	1,550	4,130	9,010	2,610	5,480	3,180	10,130	1,500	836

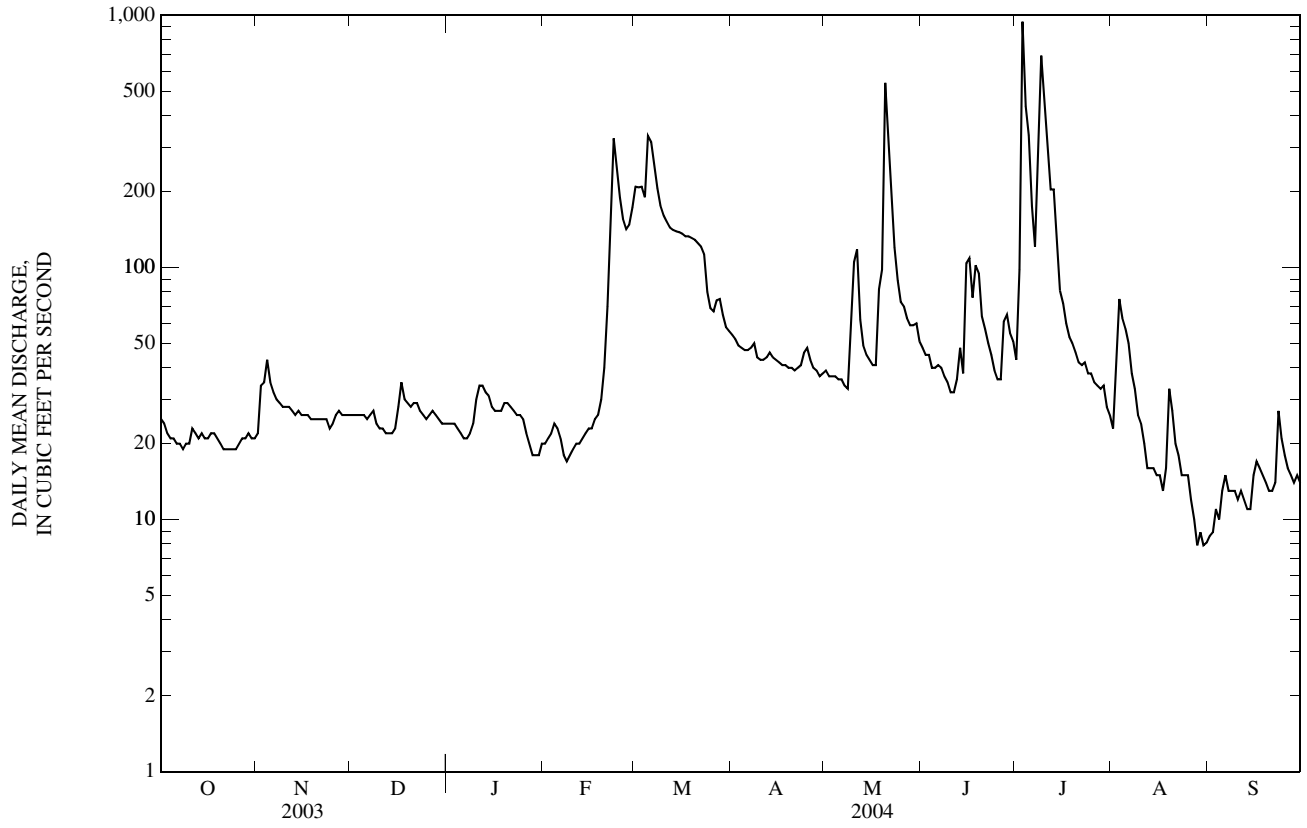
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

MEAN	263	219	191	182	286	402	421	467	471	493	298	300
MAX	1,970	1,308	928	636	968	1,584	2,415	2,523	2,031	3,210	1,800	1,455
(WY)	(1966)	(1994)	(1994)	(1966)	(1966)	(1993)	(1960)	(1960)	(1960)	(1993)	(1962)	(1973)
MIN	17.2	22.3	20.0	23.2	27.0	66.5	39.1	29.6	46.5	44.3	24.4	14.1
(WY)	(1992)	(1992)	(2003)	(2003)	(1992)	(1991)	(1991)	(1992)	(1992)	(2003)	(2004)	(2004)

06853500 REPUBLICAN RIVER NEAR HARDY, NE—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL MEAN	72.4		59.2		333	
HIGHEST ANNUAL MEAN					800	1960
LOWEST ANNUAL MEAN					59.2	2004
HIGHEST DAILY MEAN	2,120	Jun 23	943	Jul 3	15,000	Oct 1, 1983
LOWEST DAILY MEAN	12	Aug 17	7.9	Aug 28	4.8	Aug 3, 1991
ANNUAL SEVEN-DAY MINIMUM	17	Sep 3	8.6	Aug 27	8.6	Aug 27, 2004
MAXIMUM PEAK FLOW			1,470	Jul 3	225,000	Jun 2, 1935
MAXIMUM PEAK STAGE			6.12	Jul 3	19.40	Jun 2, 1935
INSTANTANEOUS LOW FLOW			6.3	Aug 28	0.00	Aug 9, 1934
ANNUAL RUNOFF (AC-FT)	52,390		42,940		241,100	
10 PERCENT EXCEEDS	103		137		745	
50 PERCENT EXCEEDS	33		30		161	
90 PERCENT EXCEEDS	21		16		48	

e Estimated



06853800 WHITE ROCK CREEK NEAR BURR OAK, KS

LOCATION.--Lat 39°53'57", long 98°15'00", in SE ¼ NE ¼ NE ¼ sec.7, T.2 S., R.8 W., Jewell County, Hydrologic Unit 10250016, on left bank at upstream side of county highway bridge, 3.5 mi northeast of Burr Oak, and at mile 35.4.

DRAINAGE AREA.--227 mi^2.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1955-57, October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,601.5 ft above NGVD of 1929 (levels by Bureau of Reclamation).

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum known stage since at least 1869, 32.6 ft July 9, 1950, from floodmark 300 ft downstream and information by local resident.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul 7	2330	*683	*11.37	No peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.02	0.06	0.04	0.11	e0.06	4.6	1.9	1.7	0.28	0.41	5.4	0.14
2	0.01	0.12	0.04	0.12	e0.06	5.4	1.6	1.3	0.25	4.4	2.1	0.12
3	0.00	0.14	0.05	0.12	e0.06	11	1.5	1.2	0.22	24	1.0	0.11
4	0.00	0.06	0.04	0.10	e0.06	8.5	1.4	1.2	0.21	6.5	0.57	0.09
5	0.00	0.02	0.04	0.08	e0.06	8.7	1.3	1.1	0.19	2.2	0.33	0.10
6	0.01	0.01	0.04	0.07	e0.06	9.2	1.3	1.0	0.20	1.4	0.27	0.12
7	0.01	0.00	0.06	0.07	e0.04	10	1.3	0.87	0.19	179	0.25	0.11
8	0.02	0.00	0.06	0.12	e0.06	9.9	1.1	0.83	0.18	212	0.24	0.08
9	0.02	0.00	0.05	e0.11	e0.07	6.6	1.2	1.2	0.17	72	0.22	0.06
10	0.00	0.00	0.06	e0.11	e0.08	4.3	1.2	1.3	0.16	46	0.25	0.04
11	0.05	0.00	e0.05	e0.10	e0.10	2.9	1.2	1.2	0.13	18	0.28	0.03
12	0.04	0.00	e0.04	0.10	e0.09	2.2	1.4	0.89	0.13	11	0.28	0.03
13	0.03	0.00	e0.05	0.09	e0.09	1.7	1.3	0.82	0.15	9.0	0.26	0.04
14	0.04	0.00	e0.06	0.11	e0.09	1.4	1.2	0.86	0.12	4.7	0.26	0.03
15	0.04	0.01	e0.06	0.16	e0.09	1.3	1.2	0.68	0.47	2.5	0.26	0.09
16	0.04	0.02	e0.06	0.20	e0.10	1.2	1.2	0.62	0.23	4.6	0.27	0.08
17	0.05	0.03	e0.06	0.22	e0.14	1.1	1.2	0.54	0.35	5.8	0.25	0.06
18	0.05	0.02	0.07	0.18	0.25	1.1	1.4	0.94	0.22	2.1	0.37	0.06
19	0.05	0.02	0.11	0.12	0.22	1.2	1.3	1.2	0.21	1.5	1.9	0.06
20	0.05	0.02	0.11	0.11	0.29	1.1	1.2	1.3	0.19	0.70	5.5	0.06
21	0.05	0.03	0.12	0.12	0.45	0.91	1.2	1.2	0.17	0.64	1.9	0.06
22	0.05	0.03	0.13	0.13	0.38	0.98	1.1	0.98	0.14	1.2	1.1	0.07
23	0.06	0.05	0.14	0.13	0.37	0.96	1.1	0.73	0.12	0.64	0.68	0.23
24	0.06	0.03	0.13	0.13	e0.60	0.97	1.5	0.68	0.10	1.2	0.62	0.22
25	0.05	0.04	0.11	0.14	e1.0	0.99	1.6	0.85	0.07	0.90	0.42	0.13
26	0.06	0.05	0.13	e0.13	1.3	0.98	1.6	0.78	0.06	0.57	0.25	0.10
27	0.06	0.04	0.17	e0.10	2.1	1.2	1.6	0.70	5.3	0.50	0.21	0.08
28	0.07	0.03	0.16	e0.06	3.5	1.7	1.5	0.54	10	0.59	0.17	0.07
29	0.08	0.04	0.13	e0.06	3.1	1.5	1.8	0.49	7.6	90	0.16	0.07
30	0.06	0.04	0.10	e0.06	---	2.0	1.8	0.48	1.4	29	0.15	0.07
31	0.06	---	0.11	e0.06	---	2.5	---	0.35	---	10	0.15	---
MEAN	0.04	0.03	0.08	0.11	0.51	3.49	1.37	0.92	0.97	24.0	0.84	0.09
MAX	0.08	0.14	0.17	0.22	3.5	11	1.9	1.7	10	212	5.5	0.23
MIN	0.00	0.00	0.04	0.06	0.04	0.91	1.1	0.35	0.06	0.41	0.15	0.03
MED	0.05	0.03	0.06	0.11	0.10	1.7	1.3	0.87	0.19	4.4	0.27	0.07
AC-FT	2.4	1.8	5.1	7.0	29	214	82	57	58	1,470	52	5.2

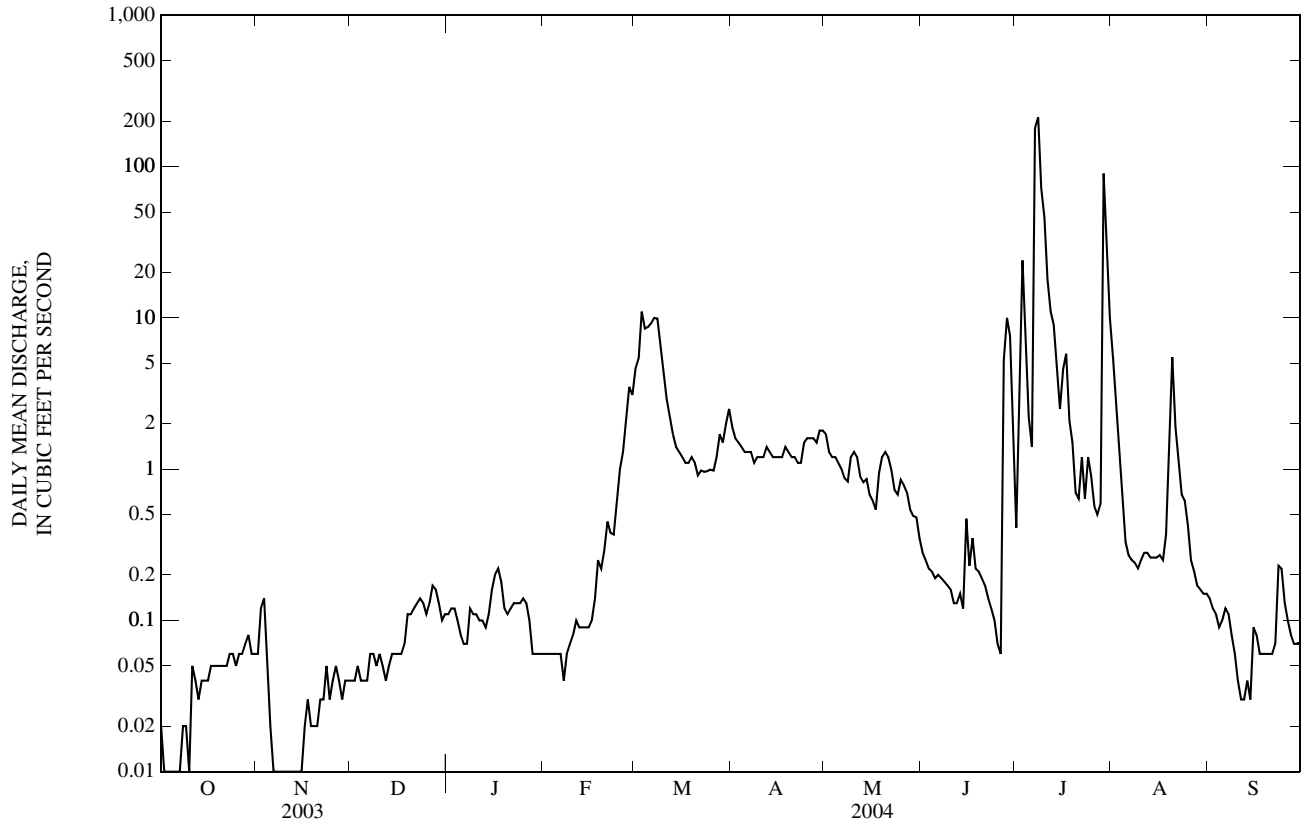
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

MEAN	16.8	11.0	7.92	11.9	21.6	37.0	29.6	42.4	48.0	48.4	19.8	30.9
MAX	319	120	43.5	125	143	318	236	174	257	658	166	519
(WY)	(1974)	(1997)	(1994)	(1962)	(1993)	(1993)	(1987)	(1985)	(1961)	(1993)	(1993)	(1973)
MIN	0.00	0.03	0.08	0.11	0.51	0.75	0.89	0.91	0.97	0.03	0.01	0.00
(WY)	(1967)	(2004)	(2004)	(2004)	(2004)	(1968)	(1967)	(1968)	(2004)	(2003)	(1959)	(1991)

06853800 WHITE ROCK CREEK NEAR BURR OAK, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL MEAN	2.37		2.74		27.1	
HIGHEST ANNUAL MEAN					136	1993
LOWEST ANNUAL MEAN					2.71	2003
HIGHEST DAILY MEAN	70	May 9	212	Jul 8	6,000	Sep 3, 1973
LOWEST DAILY MEAN	0.00	Jul 10	0.00	Oct 3	0.00	Oct 4, 1957
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 10	0.00	Nov 7	0.00	Oct 16, 1957
MAXIMUM PEAK FLOW			683	Jul 7	15,800	Sep 3, 1973
MAXIMUM PEAK STAGE			11.37	Jul 7	25.06	Sep 3, 1973
INSTANTANEOUS LOW FLOW			0.00	Oct 2	0.00	many years
ANNUAL RUNOFF (AC-FT)	1,720		1,990		19,660	
10 PERCENT EXCEEDS	5.0		2.3		38	
50 PERCENT EXCEEDS	0.70		0.19		5.6	
90 PERCENT EXCEEDS	0.00		0.04		0.32	

e Estimated



06853900 LOVEWELL RESERVOIR NEAR LOVEWELL, KS

LOCATION.--Lat 39°53'04", long 98°01'41", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.18, T.2 S., R.6 W., Jewell County, Hydrologic Unit 10250016, at south end of Lovewell Dam on White Rock Creek, 3 mi northwest of Lovewell, and at mile 19.3.

DRAINAGE AREA.--345 mi^2.

PERIOD OF RECORD.--May 1957 to current year. Monthly records only, May to September 1957.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Bureau of Reclamation). From June 15, 1960, to May 6, 1975, water-stage recorder at north end of dam at same datum.

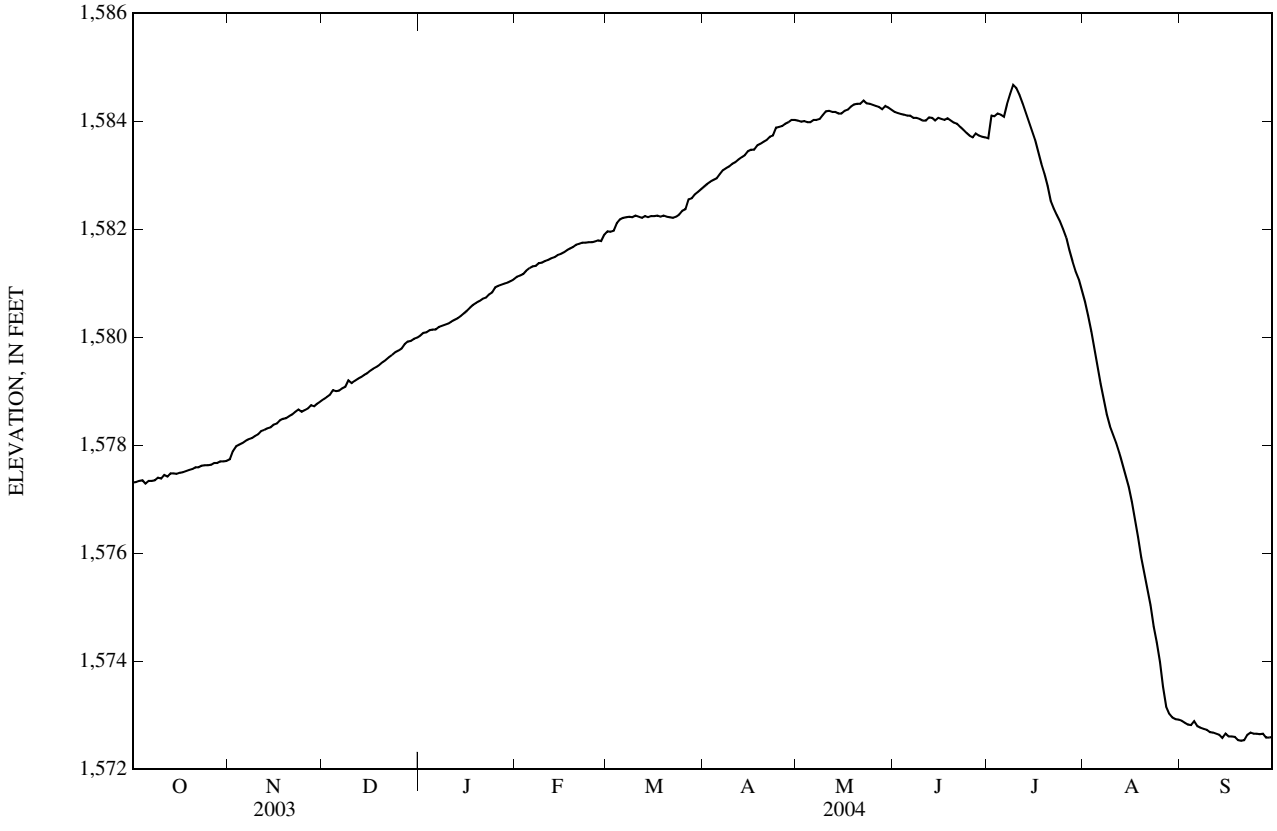
REMARKS.--Reservoir is formed by earthfill dam. Closure was made May 29, 1957. Irrigation pool elevation was first reached on May 19, 1958. Total capacity of 180,300 acre-ft consists of the following: Dead storage, 1,660 acre-ft below elevation 1,562.07 ft; irrigation pool, 34,010 acre-ft between elevations 1,562.07 ft and 1,582.6 ft; flood-control pool, 50,460 acre-ft between elevations 1,582.6 ft and 1,595.3 ft; and surcharge pool, 94,170 acre-ft between elevations 1,595.3 ft and 1,610.3 ft. Storage in reservoir is derived from White Rock Creek and diversion from the Republican River through upper Courtland Canal. Releases are made into White Rock Creek and for irrigation of 30,000 acres through lower Courtland Canal. Figures given herein represent total contents. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,595.38 ft, July 22, 1993, contents, 92,560 acre-ft; minimum elevation since irrigation pool was first reached, 1,570.21 ft, Aug. 21, 1991, contents 14,330 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,584.69 ft, July 9, contents, 42,240 acre-ft; minimum elevation, 1,572.48 ft, Sept. 20, contents, 12,840 acre-ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Computed by Bureau of Reclamation on basis of resurvey made in 1995)

Elevation	Contents	Elevation	Contents	Elevation	Contents
1,572	12,100	1,578	23,500	1,584	40,000
1,574	15,370	1,580	28,410	1,586	40,700
1,576	19,150	1,582	33,900		



06853900 LOVEWELL RESERVOIR NEAR LOVEWELL, KS—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,577.31	1,577.74	1,578.85	1,580.03	1,581.12	1,581.96	1,582.79	1,584.01	1,584.17	1,583.68	1,580.65	1,572.90
2	1,577.32	1,577.89	1,578.89	1,580.08	1,581.14	1,581.95	1,582.84	1,583.99	1,584.15	1,584.10	1,580.40	1,572.86
3	1,577.34	1,577.98	1,578.93	1,580.09	1,581.17	1,581.97	1,582.88	1,584.00	1,584.13	1,584.09	1,580.11	1,572.83
4	1,577.35	1,578.01	1,579.02	1,580.13	1,581.23	1,582.11	1,582.91	1,583.98	1,584.12	1,584.14	1,579.79	1,572.82
5	1,577.29	1,578.04	1,579.00	1,580.14	1,581.28	1,582.18	1,582.94	1,583.98	1,584.10	1,584.12	1,579.47	1,572.89
6	1,577.34	1,578.08	1,579.01	1,580.14	1,581.31	1,582.21	1,583.02	1,584.02	1,584.10	1,584.08	1,579.14	1,572.80
7	1,577.34	1,578.11	1,579.05	1,580.19	1,581.32	1,582.22	1,583.09	1,584.02	1,584.06	1,584.31	1,578.85	e1,572.77
8	1,577.35	1,578.13	1,579.08	1,580.21	1,581.37	1,582.23	1,583.13	1,584.04	1,584.06	1,584.50	1,578.57	1,572.75
9	1,577.40	1,578.17	1,579.20	1,580.23	1,581.38	1,582.22	1,583.16	1,584.11	1,584.04	1,584.67	1,578.35	1,572.73
10	1,577.38	1,578.20	1,579.15	1,580.25	1,581.41	1,582.25	1,583.21	1,584.18	1,584.01	1,584.61	1,578.20	1,572.69
11	1,577.45	1,578.26	1,579.19	1,580.29	1,581.43	1,582.23	1,583.24	1,584.19	1,584.01	1,584.49	1,578.04	1,572.68
12	1,577.42	1,578.28	1,579.23	1,580.32	1,581.46	1,582.21	1,583.29	1,584.17	1,584.07	1,584.33	1,577.86	1,572.66
13	1,577.48	1,578.31	1,579.26	1,580.35	1,581.48	1,582.24	1,583.33	1,584.17	1,584.06	1,584.16	1,577.65	1,572.64
14	1,577.48	1,578.33	1,579.30	1,580.39	1,581.52	1,582.22	1,583.37	1,584.14	1,584.01	1,583.99	1,577.45	1,572.58
15	1,577.47	1,578.38	1,579.33	1,580.44	1,581.54	1,582.24	1,583.44	1,584.14	1,584.06	1,583.82	1,577.23	1,572.66
16	1,577.49	1,578.40	1,579.38	1,580.49	1,581.57	1,582.24	1,583.47	1,584.19	1,584.04	1,583.65	1,576.96	1,572.61
17	1,577.50	1,578.46	1,579.42	1,580.55	1,581.61	1,582.25	1,583.47	1,584.21	1,584.02	1,583.44	1,576.61	1,572.61
18	1,577.52	1,578.49	1,579.45	1,580.60	1,581.64	1,582.23	1,583.55	1,584.27	1,584.05	1,583.21	1,576.30	1,572.60
19	1,577.54	1,578.50	1,579.49	1,580.64	1,581.67	1,582.25	1,583.58	1,584.31	1,584.01	1,583.03	1,575.92	1,572.54
20	1,577.56	1,578.54	1,579.54	1,580.67	1,581.71	1,582.23	1,583.62	1,584.32	1,583.97	1,582.80	1,575.62	1,572.53
21	1,577.59	1,578.57	1,579.58	1,580.71	1,581.73	1,582.22	1,583.65	1,584.32	1,583.95	1,582.53	1,575.31	1,572.54
22	1,577.59	1,578.62	1,579.63	1,580.73	1,581.75	1,582.21	1,583.71	1,584.38	1,583.89	1,582.38	1,575.04	1,572.64
23	1,577.62	1,578.66	1,579.67	1,580.79	1,581.75	1,582.23	1,583.73	1,584.33	1,583.84	1,582.26	1,574.64	1,572.68
24	1,577.63	1,578.62	1,579.72	1,580.83	1,581.76	1,582.27	1,583.88	1,584.32	1,583.78	1,582.14	1,574.35	1,572.66
25	1,577.63	1,578.65	1,579.75	1,580.92	1,581.76	1,582.34	1,583.89	1,584.30	1,583.73	1,582.00	1,573.99	1,572.66
26	1,577.64	1,578.68	1,579.79	1,580.95	1,581.77	1,582.37	1,583.91	1,584.28	1,583.70	1,581.84	1,573.53	1,572.65
27	1,577.67	1,578.74	1,579.87	1,580.97	1,581.79	1,582.55	1,583.95	1,584.26	1,583.77	1,581.61	1,573.16	1,572.66
28	1,577.67	1,578.72	1,579.92	1,580.99	1,581.78	1,582.57	1,583.98	1,584.22	1,583.73	1,581.40	1,573.03	1,572.59
29	1,577.70	1,578.77	1,579.93	1,581.01	1,581.90	1,582.64	1,584.02	1,584.28	1,583.71	1,581.22	1,572.96	1,572.59
30	1,577.70	1,578.81	1,579.97	1,581.04	---	1,582.69	1,584.02	1,584.25	1,583.70	1,581.07	1,572.93	1,572.60
31	1,577.71	---	1,579.99	1,581.07	---	1,582.74	---	1,584.21	---	1,580.86	1,572.92	---
MEAN	1,577.50	1,578.37	1,579.41	1,580.52	1,581.53	1,582.27	1,583.44	1,584.18	1,583.97	1,583.18	1,576.61	1,572.68
MAX	1,577.71	1,578.81	1,579.99	1,581.07	1,581.90	1,582.74	1,584.02	1,584.38	1,584.17	1,584.67	1,580.65	1,572.90
MIN	1,577.29	1,577.74	1,578.85	1,580.03	1,581.12	1,581.95	1,582.79	1,583.98	1,583.70	1,580.86	1,572.92	1,572.53
(+)	22,850	25,430	28,380	31,280	33,620	36,100	40,060	40,680	39,060	30,710	13,550	13,040
(#)	+870	+,2,580	+2,950	+2,900	+2,340	+2,480	+3,960	+620	-1,620	-8,350	-17,160	-510

CAL YR 2003 ..... (#) -160
WTR YR 2004 ..... (#) -8,940

+ CONTENTS, IN ACRE-FEET, AT END OF MONTH.
# CHANGE IN CONTENTS, IN ACRE-FEET.

e Estimated

06856000 REPUBLICAN RIVER AT CONCORDIA, KS

LOCATION.--Lat 39°35'19", long 97°39'29", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.5 S., R.3 W., Cloud County, Hydrologic Unit 10250017, on right bank at upstream side of bridge on U.S. Highway 81, 1.0 mi north of Concordia, 4.9 mi downstream from Buffalo Creek, and at mile 98.5.

DRAINAGE AREA.--23,560 mi^2, of which about 7,500 mi^2 is probably noncontributing.

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for some periods, published in WSP 1310. Gage-height records collected at nearby sites since 1951 are contained in reports of U.S. Weather Bureau.

REVISED RECORDS.--WSP 1340: 1946-47.

GAGE.--Water-stage recorder. Datum of gage is 1,328.62 ft above NGVD of 1929. Apr. 25, 1946, to Mar. 3, 1983, at site about 100 ft downstream, datum 5.0 ft higher. Apr. 11, 1983, to Sept. 30, 1987, at present site, at datum 5.0 ft higher. June 22, 1998, gage moved for bridge construction to right bank on downstream side of bridge, at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow affected by irrigation development upstream from station and by storage in seven reservoirs in Colorado, Nebraska, and Kansas. Considerable regulation since 1952 by Harlan County Lake (station 06849000). Flow was affected by bridge construction May 1998 to June 1999. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1895, about 23 ft, June 2, 1935, present site and datum, from information by U.S. Weather Bureau, discharge, about 207,000 ft^3/s, on basis of records for stations upstream. Flood of June 21, 1915, reached a stage of 19.1 ft, present site and datum, from information by U.S. Weather Bureau, discharge, about 60,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e98	84	77	67	e22	289	267	94	286	191	200	84
2	e97	96	75	69	e24	430	215	91	228	183	176	77
3	94	121	76	67	e27	380	188	89	185	710	162	69
4	91	139	76	43	e28	335	170	87	154	1,120	148	63
5	88	124	74	e29	e28	955	158	86	139	996	143	61
6	86	115	63	e25	e29	1,710	147	83	129	1,010	142	62
7	84	104	74	e30	e32	892	140	81	121	755	147	61
8	82	98	78	e35	e33	617	153	79	115	567	153	58
9	82	95	62	e35	e34	444	150	85	110	1,410	166	51
10	80	94	41	e40	e37	342	141	118	105	2,900	216	47
11	83	93	49	e48	e39	283	132	295	101	2,060	177	47
12	82	91	65	e45	e41	259	132	247	99	1,760	157	46
13	82	87	64	e38	e41	233	129	195	371	1,240	150	44
14	82	85	67	e38	e42	216	126	176	790	958	148	43
15	82	86	68	64	e43	210	122	159	418	756	143	50
16	81	87	67	89	e43	207	116	135	1,270	522	134	46
17	80	88	77	96	e45	209	112	122	583	402	135	45
18	80	86	68	74	e48	196	108	123	459	354	132	44
19	79	83	73	44	e56	186	108	181	497	326	140	42
20	79	82	76	47	e104	179	103	222	476	294	157	39
21	78	81	79	58	e145	173	100	272	396	242	169	38
22	76	81	87	71	e187	173	104	413	311	204	164	37
23	76	79	77	54	e235	168	106	292	250	215	161	49
24	76	64	73	77	e246	161	108	268	207	181	156	52
25	75	77	72	71	e252	154	107	199	181	161	185	53
26	75	82	82	e17	e252	140	110	163	164	155	179	49
27	77	83	79	e17	e249	148	107	150	167	149	177	43
28	79	77	72	e17	239	750	99	142	270	146	168	40
29	80	74	70	e17	240	839	94	132	262	429	155	39
30	82	78	64	e18	---	604	96	400	224	243	114	37
31	83	---	67	e20	---	385	---	653	---	254	95	---
MEAN	82.2	90.5	70.7	47.1	98.0	396	132	188	302	674	156	50.5
MAX	98	139	87	96	252	1,710	267	653	1,270	2,900	216	84
MIN	75	64	41	17	22	140	94	79	99	146	95	37
AC-FT	5,060	5,380	4,350	2,900	5,640	24,330	7,830	11,570	17,990	41,440	9,620	3,010

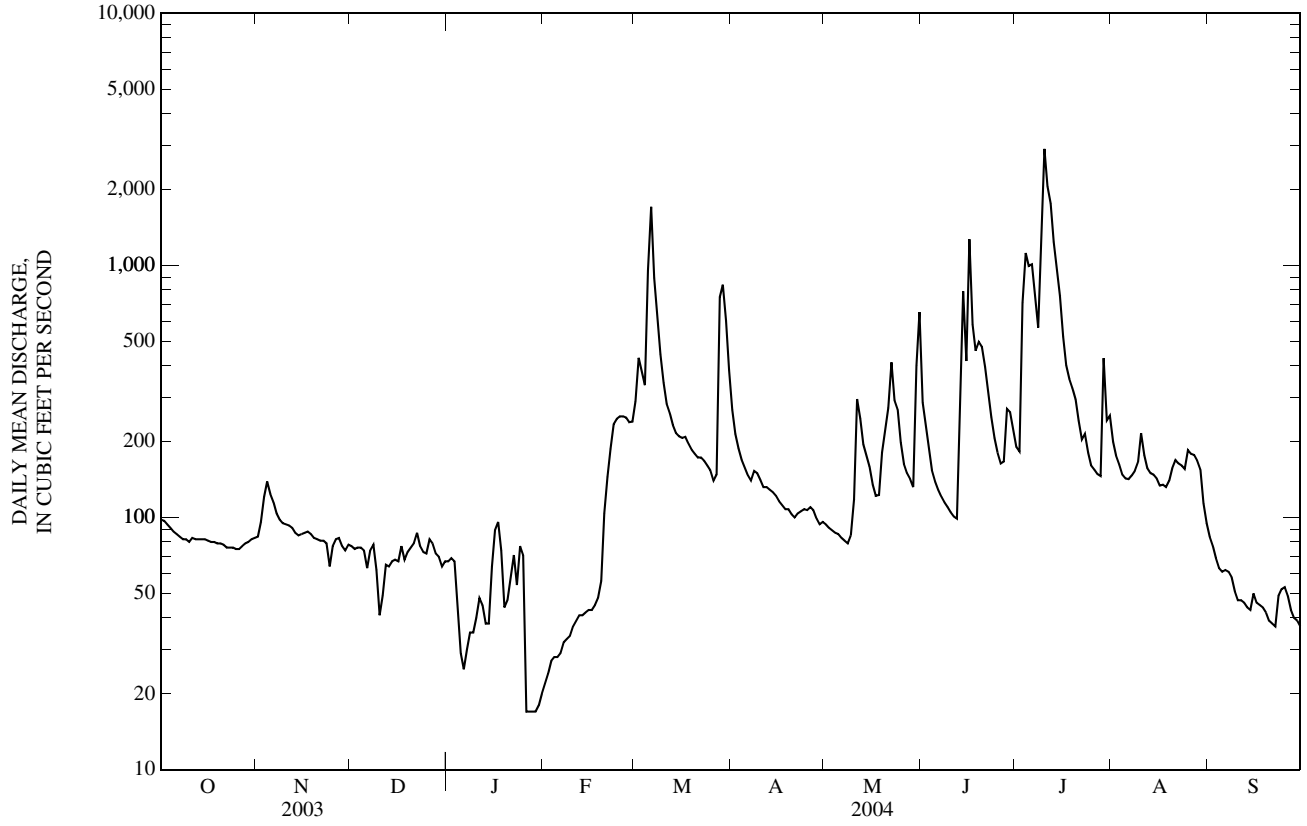
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2004, BY WATER YEAR (WY)

MEAN	519	349	275	270	451	689	671	835	1,181	1,174	612	623
MAX	5,033	1,725	1,229	1,003	1,354	2,766	4,009	3,458	8,464	10,740	3,521	4,143
(WY)	(1974)	(1947)	(1994)	(1974)	(1949)	(1993)	(1987)	(1949)	(1947)	(1993)	(1950)	(1951)
MIN	14.5	34.0	26.7	37.8	59.9	94.2	75.9	49.5	139	42.6	52.2	23.9
(WY)	(1992)	(1992)	(2001)	(1957)	(2001)	(1992)	(1991)	(1956)	(2002)	(1954)	(1955)	(2002)

06856000 REPUBLICAN RIVER AT CONCORDIA, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1946 - 2004	
ANNUAL MEAN	283		192		634	
HIGHEST ANNUAL MEAN					2,339	1951
LOWEST ANNUAL MEAN					117	1991
HIGHEST DAILY MEAN	15,800	Jun 24	2,900	Jul 10	55,200	Jun 25, 1947
LOWEST DAILY MEAN	7.0	Sep 9	17	Jan 26	7.0	Sep 9, 2003
ANNUAL SEVEN-DAY MINIMUM	14	Sep 4	18	Jan 26	8.9	Sep 6, 2002
MAXIMUM PEAK FLOW			3,400	Jul 10	75,000	Jun 25, 1947
MAXIMUM PEAK STAGE			9.78	Jul 10	16.95	Jun 24, 2003
INSTANTANEOUS LOW FLOW			5.5	Jan 26	4.6	Sep 10, 2003
ANNUAL RUNOFF (AC-FT)	205,000		139,100		459,500	
10 PERCENT EXCEEDS	286		388		1,360	
50 PERCENT EXCEEDS	97		102		279	
90 PERCENT EXCEEDS	45		43		82	

e Estimated



06856600 REPUBLICAN RIVER AT CLAY CENTER, KS

LOCATION.--Lat 39°21'20", long 97°07'38", in SW ¼ NW ¼ SW ¼ sec.17, T.8 S., R.3 E., Clay County, Hydrologic Unit 10250017, on right bank at downstream side of bridge on Kansas Highway 15, 1.0 mi south of Clay Center, 4.0 mi downstream from Five Creeks, and at mile 38.2.

DRAINAGE AREA.--24,542 mi^2, of which about 7,500 mi^2 is noncontributing.

PERIOD OF RECORD.--June 1917 to current year. Monthly discharge only for some periods, published in WSP 1310. Prior to February 1934, published as "at Wakefield." Gage-height records collected in this vicinity August 1904 to October 1917 are contained in reports of U.S. Weather Bureau.

REVISED RECORDS.--WSP 806: Drainage area. WSP 1006: 1941. WSP 1310: 1922. WSP 1340: 1929, 1933-34.

GAGE.--Water-stage recorder. Datum of gage is 1,159.21 ft above NGVD of 1929. See WSP 1919 for history of changes prior to Sept. 23, 1949. Sept. 23, 1949, to July 21, 1987, at site 200 ft downstream at same datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow affected by irrigation development upstream from station and by reservoirs in Colorado, Nebraska, and Kansas. Flow moderately regulated since 1952 by Harlan County Lake (station 06849000). Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1895, 26.2 ft, June 21, 1915, site and datum then in use, from information by U.S. Weather Bureau. Flood of May 29, 1903, reached a stage of 24.8 ft, site and datum then in use, from information by U.S. Weather Bureau.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	157	92	96	99	e29	336	606	166	566	257	370	106
2	152	96	95	99	e32	472	451	157	502	371	304	87
3	147	103	95	99	e34	613	370	152	324	1,150	243	86
4	141	349	94	e98	e35	893	324	149	266	827	215	76
5	135	224	93	e98	e37	4,630	297	144	230	1,300	204	80
6	130	176	95	e99	e39	3,330	279	139	209	3,140	191	78
7	125	142	95	e100	e42	3,330	261	136	194	1,640	184	68
8	126	128	e98	e100	e46	1,660	246	131	178	1,220	180	63
9	126	117	e97	e101	e50	1,080	236	203	168	898	190	60
10	120	111	e96	103	e53	755	235	185	164	1,060	233	56
11	120	109	e96	88	e56	592	232	346	159	2,710	219	54
12	117	107	e96	86	e58	495	223	462	150	2,570	225	50
13	115	104	e95	81	e58	433	217	401	153	2,210	194	44
14	112	101	81	107	e58	398	210	334	147	1,740	177	42
15	109	102	92	111	e59	372	210	276	374	1,340	169	45
16	109	101	107	106	e75	347	204	239	486	1,080	164	46
17	109	100	117	100	e102	327	197	221	732	847	159	48
18	108	102	105	103	e116	318	188	270	888	649	139	48
19	106	100	102	103	e169	307	188	721	544	543	133	45
20	104	100	104	83	e216	294	182	447	458	475	135	43
21	103	99	109	103	e264	280	178	312	486	430	136	58
22	101	99	108	103	320	266	179	289	417	410	148	55
23	99	95	108	93	308	256	180	329	342	347	162	54
24	111	99	110	97	325	252	191	383	288	348	164	55
25	97	96	106	98	317	249	192	320	251	349	162	54
26	96	95	102	e81	359	245	182	296	226	293	152	53
27	94	94	102	40	358	273	175	252	224	258	170	55
28	93	95	106	23	323	428	168	228	288	237	168	56
29	93	96	104	28	326	423	167	210	275	1,170	164	55
30	93	96	101	e22	---	1,010	170	211	277	1,110	164	51
31	92	---	100	e27	---	813	---	193	---	603	148	---
MEAN	114	118	100	86.4	147	822	238	268	332	1,019	186	59.0
MAX	157	349	117	111	359	4,630	606	721	888	3,140	370	106
MIN	92	92	81	22	29	245	167	131	147	237	133	42
AC-FT	7,020	7,000	6,160	5,310	8,460	50,530	14,160	16,470	19,770	62,640	11,440	3,510

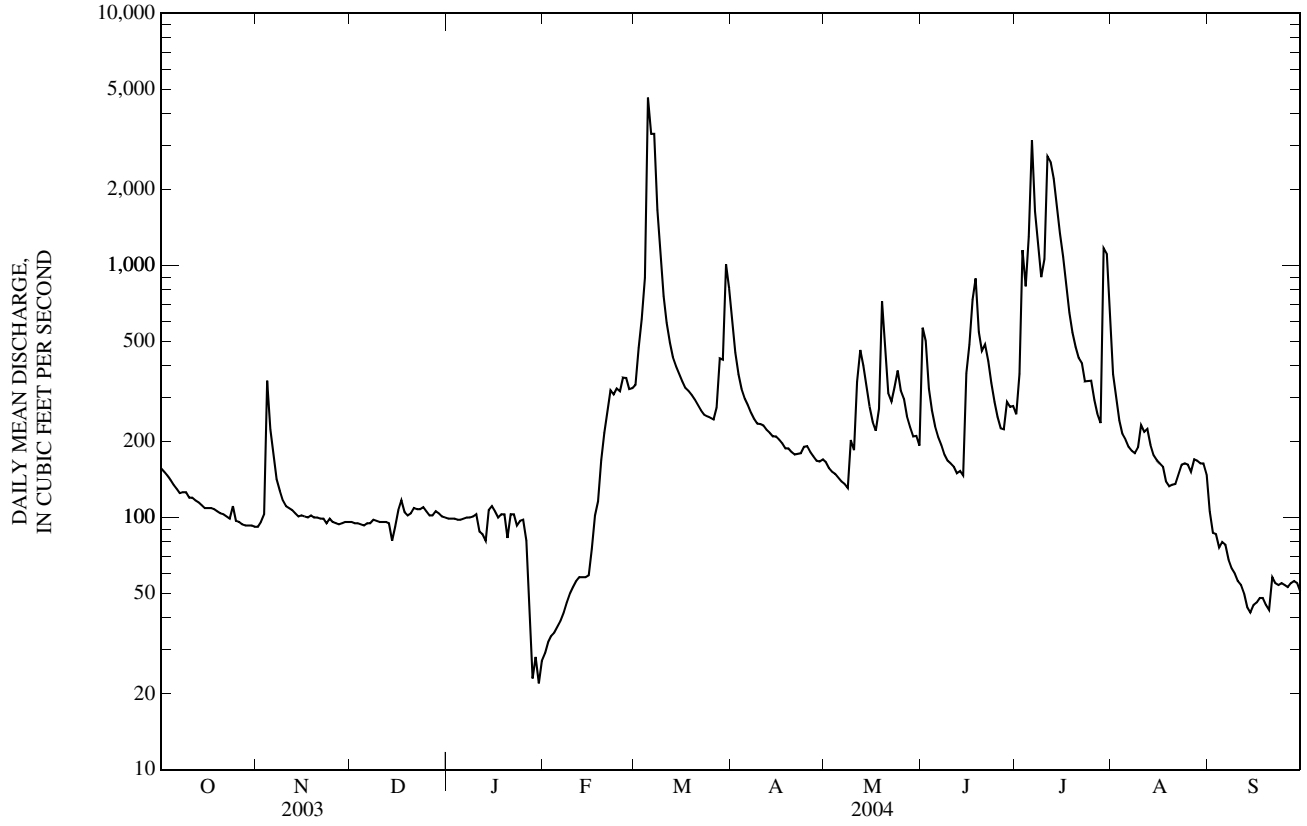
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2004, BY WATER YEAR (WY)

MEAN	651	461	382	382	650	953	1,026	1,376	2,097	1,630	900	929
MAX	7,749	2,293	1,583	1,615	2,688	4,795	5,797	7,170	11,320	21,590	4,594	4,920
(WY)	(1974)	(1947)	(1994)	(1974)	(1993)	(1987)	(1987)	(1945)	(1935)	(1993)	(1993)	(1951)
MIN	7.64	39.0	37.1	28.0	73.4	79.0	92.1	51.6	138	42.5	13.4	11.9
(WY)	(1992)	(1992)	(2001)	(1957)	(1992)	(1992)	(1954)	(1992)	(1988)	(1954)	(1934)	(2002)

06856600 REPUBLICAN RIVER AT CLAY CENTER, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1918 - 2004	
ANNUAL MEAN	316		293		953	
HIGHEST ANNUAL MEAN					3,724	1993
LOWEST ANNUAL MEAN					191	1991
HIGHEST DAILY MEAN	10,900	Jun 25	4,630	Mar 5	103,000	Jun 3, 1935
LOWEST DAILY MEAN	44	Jan 12	22	Jan 30	1.0	Aug 9, 1934
ANNUAL SEVEN-DAY MINIMUM	55	Jan 10	28	Jan 28	1.9	Aug 7, 1934
MAXIMUM PEAK FLOW			5,580	Mar 5	195,000	Jun 3, 1935
MAXIMUM PEAK STAGE			13.18	Mar 5	25.74	Jun 3, 1935
INSTANTANEOUS LOW FLOW			7.6	Jan 27	0.00	Aug 10, 1934
ANNUAL RUNOFF (AC-FT)	229,000		212,500		690,700	
10 PERCENT EXCEEDS	354		543		1,970	
50 PERCENT EXCEEDS	128		155		450	
90 PERCENT EXCEEDS	70		57		120	

e Estimated



06857050 MILFORD LAKE NEAR JUNCTION CITY, KS

LOCATION.--Lat 39°04'35", long 96°53'58", in SE $^1/_4$ sec.20, T.11 S., R.5 E., Geary County, Hydrologic Unit 10250017, in control tower of dam on Republican River, 5.0 mi northwest of Junction City, and at mile 7.7.

DRAINAGE AREA.--24,880 mi^2, of which a large area is noncontributing.

PERIOD OF RECORD.--December 1966 to current year. Prior to October 1971, published as "Milford Reservoir."

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

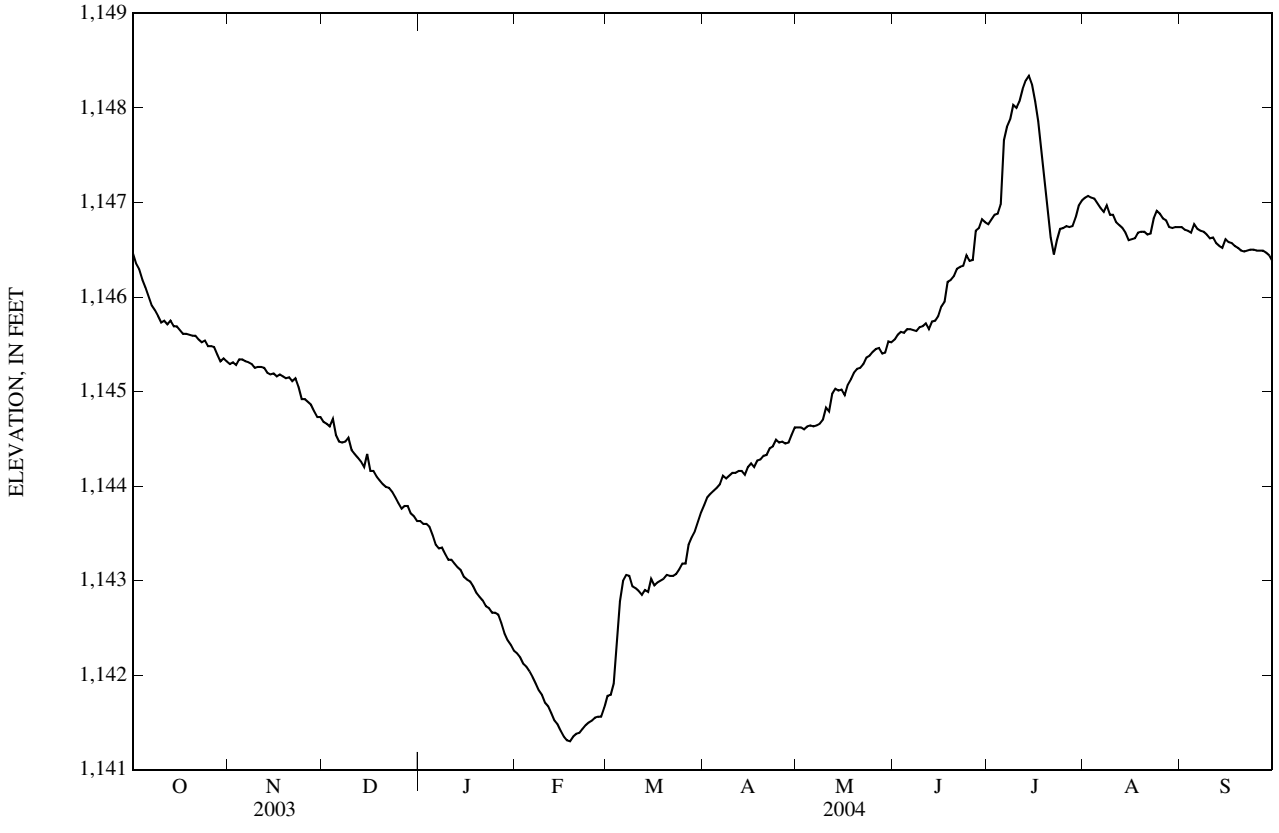
REMARKS.--Reservoir is formed by compacted earthfill dam. Storage began Jan. 16, 1967. Conservation pool elevation was reached July 15, 1967. Total capacity, 1,380,000 acre-ft below elevation 1,182.0 ft. Crest of uncontrolled spillway is at elevation 1,176.2 ft. Storage capacity of 673,600 acre-ft above elevation 1,144.4 ft is provided for flood control. Storage capacity of 415,400 acre-ft below elevation 1,144.4 ft is provided for conservation and recreation. Figures given herein represent total contents. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,181.94 ft, July 25, 1993, contents, 1,346,000 acre-ft; minimum elevation since conservation pool first filled, 1,136.90 ft, Jan. 27, 2003, contents, 283,100 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,148.41 ft, July 14, contents, 456,700 acre-ft; minimum elevation, 1,141.29 ft, Feb. 18, contents, 342,600 acre-ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Computed by U.S. Army Corps of Engineers in 1982 from topographic maps)

Elevation	Contents	Elevation	Contents	Elevation	Contents
1,140	324,400	1,145	398,400	1,150	485,500



06857050 MILFORD LAKE NEAR JUNCTION CITY, KS—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,146.46	1,145.29	1,144.68	1,143.63	e1,142.23	1,141.78	1,143.80	1,144.62	1,145.55	1,146.77	1,147.05	1,146.74
2	1,146.35	1,145.31	1,144.66	1,143.60	1,142.19	1,141.79	1,143.88	1,144.62	1,145.60	1,146.82	1,147.07	1,146.71
3	1,146.29	1,145.28	1,144.63	1,143.60	1,142.12	1,141.91	1,143.92	1,144.60	1,145.63	1,146.87	1,147.05	1,146.70
4	1,146.18	1,145.34	1,144.71	1,143.57	1,142.09	1,142.32	1,143.95	1,144.63	1,145.62	1,146.88	1,147.04	1,146.68
5	1,146.10	1,145.34	1,144.54	1,143.48	1,142.04	1,142.78	1,143.98	1,144.64	1,145.66	1,146.98	1,146.99	1,146.77
6	1,146.00	1,145.32	1,144.47	1,143.38	1,141.98	1,143.00	1,144.02	1,144.63	1,145.66	1,147.66	1,146.94	1,146.72
7	1,145.91	1,145.31	1,144.46	1,143.34	1,141.91	1,143.06	1,144.11	1,144.64	1,145.65	1,147.80	1,146.90	1,146.70
8	1,145.86	1,145.29	1,144.47	1,143.35	1,141.84	1,143.05	1,144.08	1,144.66	1,145.64	1,147.88	1,146.97	1,146.69
9	1,145.80	1,145.25	1,144.51	1,143.28	1,141.79	1,142.94	1,144.11	1,144.70	1,145.68	1,148.03	1,146.87	1,146.66
10	1,145.73	1,145.26	1,144.38	1,143.22	1,141.71	1,142.92	1,144.14	1,144.83	1,145.69	1,148.00	1,146.87	1,146.62
11	1,145.75	1,145.26	1,144.34	1,143.22	1,141.67	1,142.89	1,144.14	1,144.79	1,145.72	1,148.07	1,146.79	1,146.63
12	1,145.71	1,145.25	1,144.30	1,143.18	1,141.60	1,142.85	1,144.16	1,144.98	1,145.66	1,148.20	1,146.76	1,146.57
13	1,145.75	1,145.20	1,144.26	1,143.14	1,141.52	1,142.90	1,144.16	1,145.03	1,145.74	1,148.29	1,146.73	1,146.54
14	1,145.69	1,145.18	1,144.20	1,143.11	1,141.48	1,142.88	1,144.12	1,145.01	1,145.75	1,148.34	1,146.68	1,146.52
15	1,145.69	1,145.19	1,144.34	1,143.04	1,141.41	1,143.02	1,144.20	1,145.02	1,145.80	1,148.25	1,146.60	1,146.61
16	1,145.65	1,145.16	1,144.16	1,143.01	1,141.35	1,142.95	1,144.24	1,144.96	1,145.90	1,148.07	1,146.61	1,146.58
17	1,145.61	1,145.18	1,144.16	1,142.99	1,141.31	1,142.98	1,144.20	1,145.07	1,145.95	1,147.86	1,146.62	1,146.57
18	1,145.61	1,145.16	1,144.10	1,142.94	1,141.30	1,143.00	1,144.27	1,145.13	1,146.16	1,147.58	1,146.68	1,146.54
19	1,145.60	1,145.14	1,144.06	1,142.87	1,141.35	1,143.02	1,144.28	1,145.20	1,146.18	1,147.27	1,146.69	1,146.52
20	1,145.59	1,145.15	1,144.02	1,142.83	1,141.38	1,143.06	1,144.32	1,145.24	1,146.22	1,146.92	1,146.69	1,146.49
21	1,145.59	1,145.11	1,143.99	1,142.79	1,141.39	1,143.05	1,144.33	1,145.25	1,146.30	1,146.63	1,146.66	1,146.48
22	1,145.55	1,145.14	1,143.98	1,142.73	1,141.43	1,143.05	1,144.40	1,145.29	1,146.32	1,146.45	1,146.67	1,146.49
23	1,145.52	1,145.05	1,143.94	1,142.71	1,141.47	1,143.07	1,144.42	1,145.36	1,146.33	1,146.60	1,146.83	1,146.50
24	1,145.54	1,144.92	1,143.88	1,142.66	1,141.50	1,143.12	1,144.49	1,145.38	1,146.44	1,146.72	1,146.91	1,146.50
25	1,145.48	1,144.92	1,143.82	1,142.66	1,141.52	1,143.18	1,144.46	1,145.42	1,146.38	1,146.73	1,146.88	1,146.49
26	1,145.48	1,144.89	1,143.76	e1,142.64	1,141.55	1,143.18	1,144.47	1,145.45	1,146.39	1,146.75	1,146.83	1,146.49
27	1,145.47	1,144.86	1,143.79	e1,142.55	1,141.56	1,143.38	1,144.45	1,145.46	1,146.70	1,146.74	1,146.81	1,146.49
28	1,145.39	1,144.79	1,143.79	1,142.44	1,141.56	1,143.46	1,144.46	1,145.40	1,146.73	1,146.75	1,146.74	1,146.47
29	1,145.32	1,144.73	1,143.71	1,142.37	1,141.66	1,143.52	1,144.54	1,145.41	1,146.82	1,146.84	1,146.73	1,146.44
30	1,145.35	1,144.73	1,143.68	1,142.32	---	1,143.62	1,144.62	1,145.53	1,146.79	1,146.97	1,146.74	1,146.38
31	1,145.32	---	1,143.63	e1,142.26	---	1,143.72	---	1,145.52	---	1,147.02	1,146.74	---
MEAN	1,145.72	1,145.13	1,144.17	1,143.00	1,141.65	1,142.95	1,144.22	1,145.05	1,146.02	1,147.31	1,146.81	1,146.58
MAX	1,146.46	1,145.34	1,144.71	1,143.63	1,142.23	1,143.72	1,144.62	1,145.53	1,146.82	1,148.34	1,147.07	1,146.77
MIN	1,145.32	1,144.73	1,143.63	1,142.26	1,141.30	1,141.78	1,143.80	1,144.60	1,145.55	1,146.45	1,146.60	1,146.38
(+)	400,200	390,400	377,700	342,100	347,900	378,300	389,300	404,500	428,100	432,000	427,300	421,200
(#)	-23,900	-9,800	-13,400	-34,900	+5,800	+30,400	+11,000	+15,200	+23,600	+3,900	-4,700	-6,100

CAL YR 2003 ..... (#) +91,900
WTR YR 2004 ..... (#) -2,900

+ CONTENTS, IN ACRE-FEET, AT END OF MONTH.
# CHANGE IN CONTENTS, IN ACRE-FEET.

e Estimated

06857100 REPUBLICAN RIVER BELOW MILFORD DAM, KS

LOCATION.--Lat 39°02'53", long 96°50'09", Geary County, Hydrologic Unit 10250017, Fort Riley Military Reservation, on right bank at downstream side of bridge on U.S. Highway 77, 1.7 mi downstream from Milford Dam, 2.5 mi northwest of Junction City, and at mile 6.0.

DRAINAGE AREA.--24,890 mi^2, of which a large area is noncontributing.

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,045.70 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Nov. 20, 1997, at datum 6.8 ft higher. Gage temporarily moved on Nov. 20, 1997, 2.2 mi downstream during replacement of U.S. Highway 77 bridge.

REMARKS.--Records poor. Flow completely regulated since 1967 by Milford Lake (station 06857050), 1.7 mi upstream. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	995	208	437	404	549	111	39	30	24	490	38	30
2	971	208	438	403	e550	108	39	27	25	498	105	29
3	967	209	436	405	e538	114	39	27	25	492	290	28
4	964	209	432	401	527	135	39	26	25	493	290	28
5	963	208	425	398	521	615	39	26	25	494	287	34
6	960	209	428	e398	513	2,090	39	26	25	403	286	27
7	958	209	432	397	e511	2,060	39	26	24	138	284	27
8	959	208	431	394	e509	2,050	38	27	24	394	284	27
9	953	206	429	388	508	1,870	38	27	24	1,180	282	27
10	838	207	419	375	508	1,160	37	39	26	1,160	279	27
11	265	206	420	371	507	703	37	28	26	1,160	277	27
12	238	203	419	369	e506	519	37	28	27	1,160	276	27
13	228	202	420	371	e505	518	36	29	25	1,150	274	26
14	220	201	421	435	504	509	35	30	23	1,150	272	27
15	216	199	419	602	506	380	35	28	50	2,090	272	28
16	213	200	380	543	506	201	34	29	24	3,160	192	27
17	210	203	412	430	382	195	33	31	24	3,100	27	28
18	208	198	412	428	131	191	33	33	31	3,330	21	28
19	206	198	411	429	124	190	32	33	23	3,880	20	28
20	208	199	411	429	120	187	31	32	24	3,780	18	28
21	211	249	413	429	118	186	29	31	26	3,700	18	28
22	213	433	413	431	117	145	34	32	24	2,580	18	28
23	213	435	413	475	116	57	28	33	24	126	17	29
24	213	434	414	558	116	46	29	34	24	104	20	28
25	213	436	412	564	114	44	27	33	25	70	132	29
26	213	437	411	559	113	43	27	33	25	61	414	30
27	213	438	410	e557	114	50	26	34	65	55	422	30
28	211	436	408	e555	113	42	25	32	27	50	280	30
29	210	435	407	e553	118	40	26	32	171	46	38	31
30	209	436	406	e551	---	39	42	33	483	43	32	31
31	208	---	406	e550	---	39	---	24	---	40	31	---
MEAN	454	275	418	457	347	472	34.1	30.1	47.3	1,180	177	28.4
MAX	995	438	438	602	550	2,090	42	39	483	3,880	422	34
MIN	206	198	380	369	113	39	25	24	23	40	17	26
AC-FT	27,900	16,380	25,680	28,070	19,960	29,030	2,030	1,850	2,810	72,550	10,900	1,690

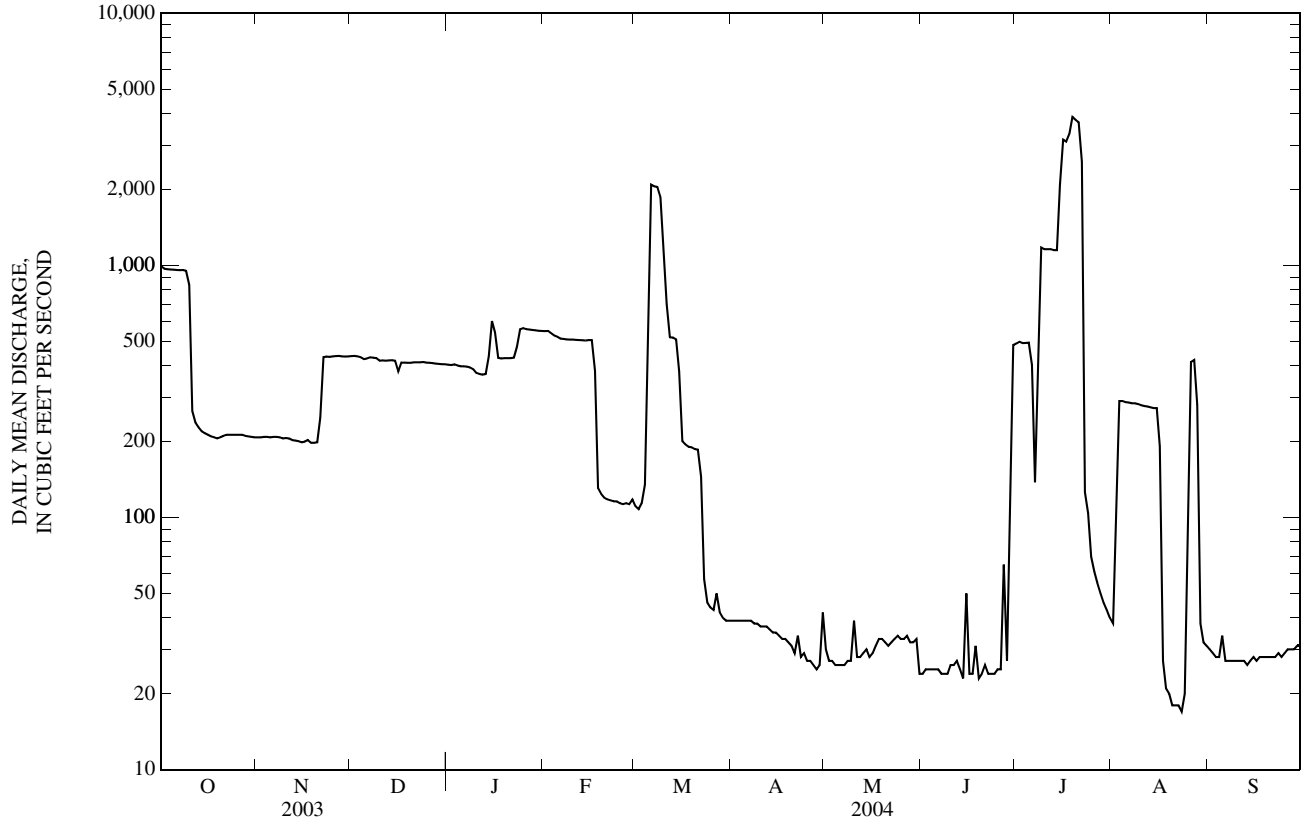
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2004, BY WATER YEAR (WY)

MEAN	768	699	765	383	576	863	971	1,236	1,190	1,394	1,125	711
MAX	5,272	7,732	2,315	1,492	2,617	3,324	6,071	8,283	7,770	9,746	15,420	7,785
(WY)	(1974)	(1974)	(1974)	(1974)	(1974)	(1973)	(1987)	(1987)	(1995)	(1993)	(1993)	(1993)
MIN	30.2	20.3	9.63	43.8	15.1	22.0	30.8	28.6	30.3	27.7	101	28.4
(WY)	(1996)	(1995)	(1995)	(1997)	(1997)	(2003)	(1992)	(1992)	(2003)	(2003)	(2000)	(2004)

06857100 REPUBLICAN RIVER BELOW MILFORD DAM, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1968 - 2004	
ANNUAL MEAN	151		329		892	
HIGHEST ANNUAL MEAN					4,027	1993
LOWEST ANNUAL MEAN					81.9	2003
HIGHEST DAILY MEAN	1,080	Sep 24	3,880	Jul 19	33,300	Jul 26, 1993
LOWEST DAILY MEAN	9.9	Feb 22	17	Aug 23	3.2	Sep 18, 1985
ANNUAL SEVEN-DAY MINIMUM	11	Jun 3	19	Aug 18	8.9	Jan 21, 1997
MAXIMUM PEAK FLOW			3,950	Jul 18	33,700	Jul 26, 1993
MAXIMUM PEAK STAGE			9.94	Jul 18	22.10	Jun 22, 1964
INSTANTANEOUS LOW FLOW			16	Aug 23	2.7	Sep 18, 1985
ANNUAL RUNOFF (AC-FT)	109,000		238,900		646,500	
10 PERCENT EXCEEDS	423		556		2,220	
50 PERCENT EXCEEDS	40		202		310	
90 PERCENT EXCEEDS	18		26		44	

e Estimated



06860000 SMOKY HILL RIVER AT ELKADER, KS

LOCATION.--Lat 38°47'41", long 100°51'29", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.14 S., R.32 W., Logan County, Hydrologic Unit 10260003, on right bank at downstream side of bridge on U.S. Highway 83, 22.3 mi south of Oakley, 0.1 mi downstream from Ladder Creek, and at mile 409.9.

DRAINAGE AREA.--3,555 mi^2.

PERIOD OF RECORD.--October 1939 to current year.

REVISED RECORDS.--WSP 1310: 1941(M), 1947(M), 1949(M). WSP 1510: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 2,622.62 ft above NGVD of 1929. Prior to Oct. 1, 1986, water-stage recorder at site 100 ft downstream and at datum 2.00 ft higher and Oct. 1, 1986, to Sept. 30, 1995, water-stage recorder at site 100 ft downstream at same datum.

REMARKS.--Records fair except those below 5 ft^3/s, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1937, 15.2 ft, May 30, 1938, from floodmark, discharge, 71,000 ft^3/s, on basis of slope-area measurement of peak flow, present datum.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 17	0500	*212	*5.92	No peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

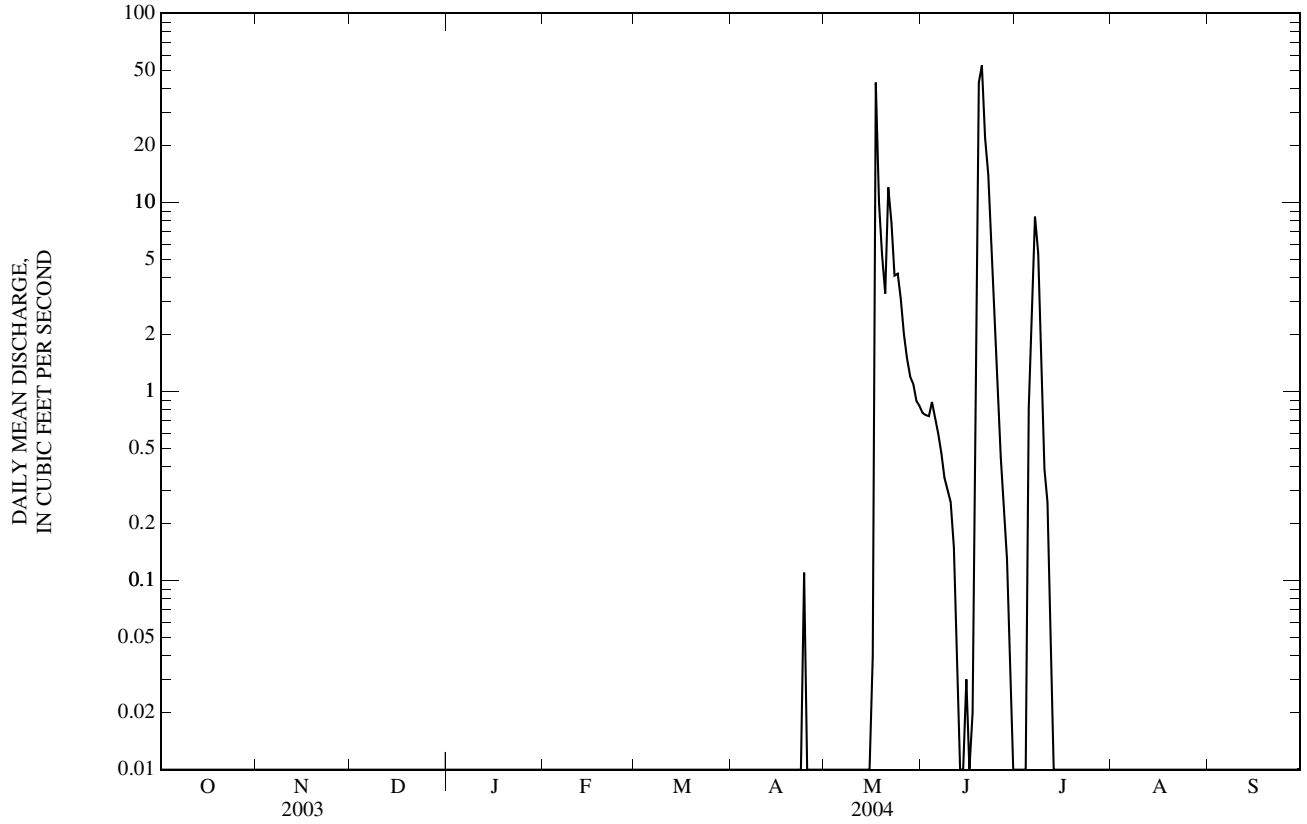
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.01	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.01	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.82	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	3.2	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	8.4	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	5.4	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	1.6	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.39	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.26	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.07	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43	0.02	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10	0.20	0.01	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.3	43	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.3	53	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12	22	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.8	14	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.1	7.7	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.11	4.2	3.4	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.1	1.2	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.0	0.45	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.5	0.26	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.2	0.13	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.1	0.03	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.89	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.84	---	0.00	0.00	---
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.24	5.05	0.65	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.11	43	53	8.4	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.2	199	300	40	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	13.9	3.37	3.15	3.58	5.23	8.53	9.15	26.7	83.5	65.8	33.4	12.7
MAX	624	34.3	25.6	30.1	25.4	158	111	387	2,410	992	580	158
(WY)	(1947)	(1952)	(1952)	(1952)	(1942)	(1960)	(1942)	(1957)	(1951)	(1957)	(1950)	(1949)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1940)	(1940)	(1940)	(1940)	(1986)	(1986)	(1986)	(1986)	(1986)	(1954)	(1970)	(1943)

06860000 SMOKY HILL RIVER AT ELKADER, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL MEAN	0.22		0.74		22.5	
HIGHEST ANNUAL MEAN					290	1951
LOWEST ANNUAL MEAN					0.00	1986
HIGHEST DAILY MEAN	22	May 25	53	Jun 20	13,700	Jun 11, 1951
LOWEST DAILY MEAN	0.00	Jun 3	0.00	Oct 1	0.00	Oct 1, 1939
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 12	0.00	Oct 1	0.00	Oct 1, 1939
MAXIMUM PEAK FLOW			212	May 17	22,300	Aug 23, 1969
MAXIMUM PEAK STAGE			5.92	May 17	11.02	Jun 17, 1955
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	most years
ANNUAL RUNOFF (AC-FT)	157		540		16,300	
10 PERCENT EXCEEDS	0.11		0.36		21	
50 PERCENT EXCEEDS	0.00		0.00		1.2	
90 PERCENT EXCEEDS	0.00		0.00		0.00	



06861000 SMOKY HILL RIVER NEAR ARNOLD, KS

LOCATION.--Lat 38°48'28", long 100°01'20", in SW $^1/_4$ NW $^1/_4$ sec.29, T.14 S., R.24 W., Trego County, Hydrologic Unit 10260003, on left bank near downstream side of county highway bridge, 7.0 mi upstream from headwaters of Cedar Bluff Reservoir, 12 mi north of Arnold, and at mile 356.2.

DRAINAGE AREA.--5,220 mi^2, approximately.

PERIOD OF RECORD.--February 1950 to current year. Prior to October 1950, published as "near Ransom."

GAGE.--Water-stage recorder. Datum of gage is 2,196.13 ft above NGVD of 1929. See WSP 1919 for history of changes prior to Sept. 30, 1961.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow affected by ground-water withdrawals and return flow from irrigated areas. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 30, 1938, reached a stage of about 19 ft, present site and datum, from information by local resident.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jun 20	0300	*625	*4.38	No peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.13	0.07	0.26	0.33	e0.30	0.84	0.23	0.28	0.36	22	0.35	0.12
2	0.13	0.09	0.29	0.33	e0.30	0.70	0.22	0.25	0.37	48	0.21	0.01
3	0.13	0.13	0.28	0.32	e0.30	0.59	0.21	0.24	0.38	7.9	0.16	0.00
4	0.12	0.12	0.30	0.31	e0.30	0.65	0.19	0.23	0.39	4.0	0.15	0.00
5	0.11	0.12	0.29	e0.31	e0.30	0.86	0.19	0.22	0.39	2.7	0.15	0.00
6	0.09	0.12	0.31	e0.32	e0.30	0.72	0.19	0.19	0.34	2.5	0.16	0.00
7	0.09	0.13	0.33	e0.33	e0.30	0.59	0.20	0.17	0.30	1.9	0.21	0.00
8	0.08	0.13	0.35	0.38	e0.30	0.54	0.20	0.16	0.28	1.7	0.14	0.00
9	0.08	0.11	0.38	0.36	e0.30	0.51	0.21	0.15	0.21	1.5	0.11	0.00
10	0.07	0.11	0.33	0.37	e0.32	0.48	0.27	0.15	0.21	1.3	2.9	0.00
11	0.07	0.10	e0.33	0.38	e0.34	0.44	0.24	0.19	0.16	1.2	2.6	0.00
12	0.06	0.08	0.34	0.37	0.41	0.44	0.30	0.15	0.14	0.99	0.72	0.00
13	0.06	0.08	0.38	0.36	0.45	0.43	0.28	0.13	0.12	0.82	0.16	0.00
14	0.07	0.09	0.38	0.36	0.56	0.44	0.28	0.17	0.08	0.75	0.11	0.00
15	0.07	0.09	0.43	0.36	0.58	0.45	0.24	0.20	0.25	0.73	0.10	0.00
16	0.07	0.10	0.37	0.37	0.60	0.43	0.21	0.62	3.0	0.66	0.08	0.00
17	0.07	0.11	0.38	0.35	0.66	0.39	0.22	61	48	0.63	0.05	0.00
18	0.06	0.10	0.37	0.33	0.84	0.39	0.19	7.9	81	0.58	0.04	0.00
19	0.06	0.10	0.36	0.32	0.94	0.38	0.16	2.0	159	0.53	0.35	0.00
20	0.06	0.13	0.35	0.33	0.90	0.37	0.20	1.3	351	0.47	0.44	0.00
21	0.06	0.13	0.33	0.33	0.75	0.33	0.20	1.1	94	0.40	0.08	0.00
22	0.06	0.16	0.33	0.32	0.68	0.34	0.23	0.90	27	0.42	0.03	5.0
23	0.06	0.17	0.32	0.32	0.62	0.36	0.25	0.76	17	5.7	0.02	78
24	0.06	0.19	0.31	0.32	0.58	0.34	0.42	0.69	13	3.7	0.01	7.0
25	0.05	0.26	0.32	0.37	0.55	0.35	0.37	0.63	7.5	1.6	0.01	1.3
26	0.06	0.26	0.33	0.35	0.55	0.34	0.33	0.62	5.1	0.54	0.00	2.6
27	0.07	0.26	0.29	0.34	0.56	0.37	0.29	0.53	3.9	0.39	0.00	1.0
28	0.08	0.26	0.30	e0.32	0.58	0.34	0.27	0.49	3.2	0.33	0.00	0.64
29	0.07	0.30	0.30	e0.30	0.72	0.32	0.25	0.48	2.8	18	0.00	0.63
30	0.07	0.30	0.30	e0.30	---	0.26	0.28	0.40	2.7	5.6	12	0.56
31	0.07	---	0.33	e0.30	---	0.24	---	0.38	---	0.81	0.51	---
MEAN	0.08	0.15	0.33	0.34	0.51	0.46	0.24	2.67	27.4	4.46	0.70	3.23
MAX	0.13	0.30	0.43	0.38	0.94	0.86	0.42	61	351	48	12	78
MIN	0.05	0.07	0.26	0.30	0.30	0.24	0.16	0.13	0.08	0.33	0.00	0.00
AC-FT	4.7	8.7	20	21	30	28	15	164	1,630	274	43	192

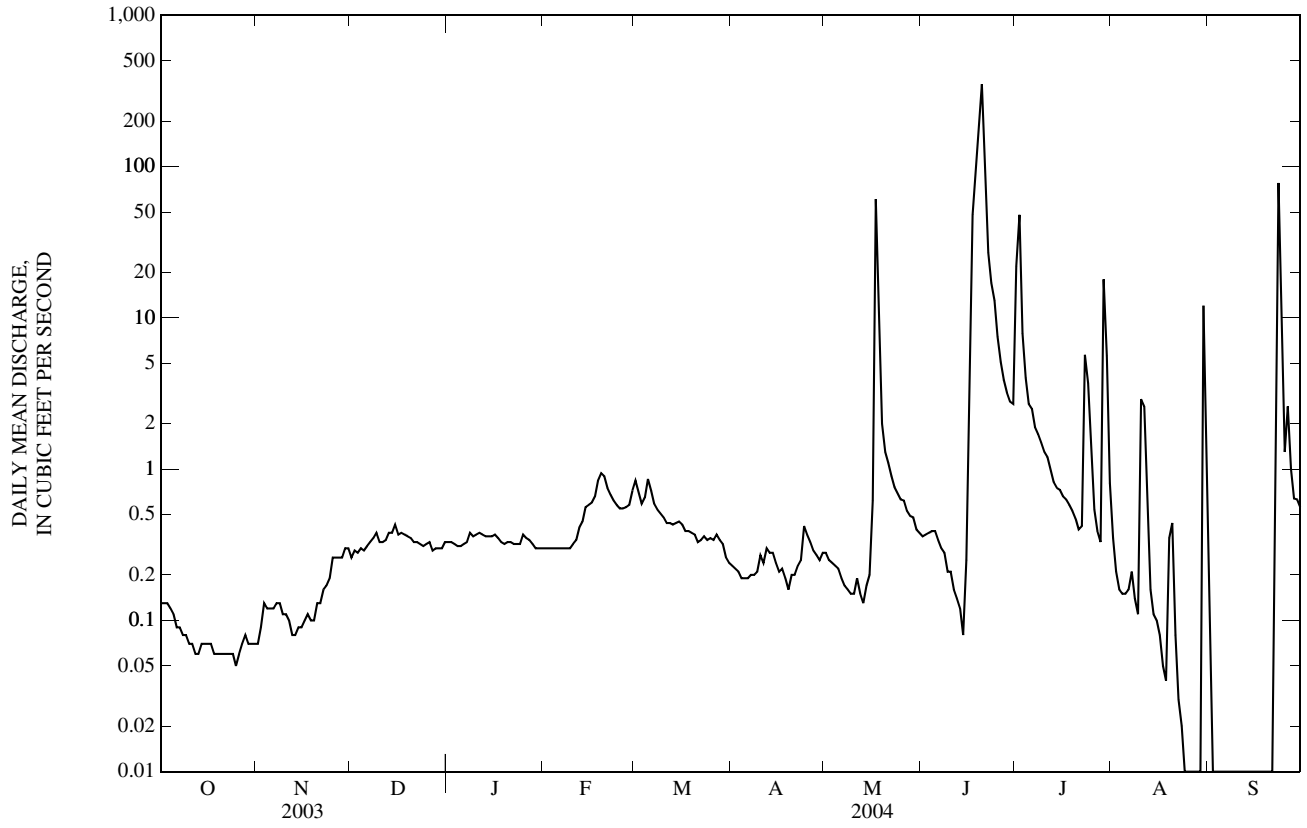
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	16.4	7.23	5.69	6.12	9.91	21.1	16.4	64.5	169	95.8	51.0	30.7
MAX	317	55.0	42.5	57.4	99.2	584	116	934	4,331	965	452	353
(WY)	(1966)	(1997)	(1951)	(1952)	(1966)	(1960)	(1958)	(1957)	(1951)	(1951)	(1960)	(1957)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.01	0.05	0.06	0.03
(WY)	(1989)	(1990)	(1989)	(1989)	(1989)	(1989)	(1989)	(1968)	(1985)	(1988)	(1978)	(1956)

06861000 SMOKY HILL RIVER NEAR ARNOLD, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL MEAN	2.98		3.35		41.2	
HIGHEST ANNUAL MEAN					550	1951
LOWEST ANNUAL MEAN					0.33	1988
HIGHEST DAILY MEAN	136	Jun 19	351	Jun 20	14,200	Jun 12, 1951
LOWEST DAILY MEAN	0.05	Oct 25	0.00	Aug 26	0.00	Jul 30, 1952
ANNUAL SEVEN-DAY MINIMUM	0.06	Oct 19	0.00	Sep 3	0.00	Sep 9, 1952
MAXIMUM PEAK FLOW			625	Jun 20	23,800	Jun 11, 1951
MAXIMUM PEAK STAGE			4.38	Jun 20	12.57	Jun 11, 1951
INSTANTANEOUS LOW FLOW			0.00	Aug 23	0.00	most years
ANNUAL RUNOFF (AC-FT)	2,160		2,430		29,830	
10 PERCENT EXCEEDS	2.9		1.8		45	
50 PERCENT EXCEEDS	0.76		0.31		2.1	
90 PERCENT EXCEEDS	0.10		0.06		0.01	

e Estimated



06861500 CEDAR BLUFF RESERVOIR NEAR ELLIS, KS

LOCATION.--Lat 38°47'21", long 99°43'13", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.36, T.14 S., R.22 W., Trego County, Hydrologic Unit 10260003, in control house structure of outlet works conduit at dam on Smoky Hill River, 18 mi southwest of Ellis, and at mile 333.7.

DRAINAGE AREA.--5,530 mi^2, approximately.

PERIOD OF RECORD.--November 1950 to current year (monthly records only prior to August 1960).

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Bureau of Reclamation). Prior to Aug. 20, 1960, nonrecording mercury-column gage at same site and datum.

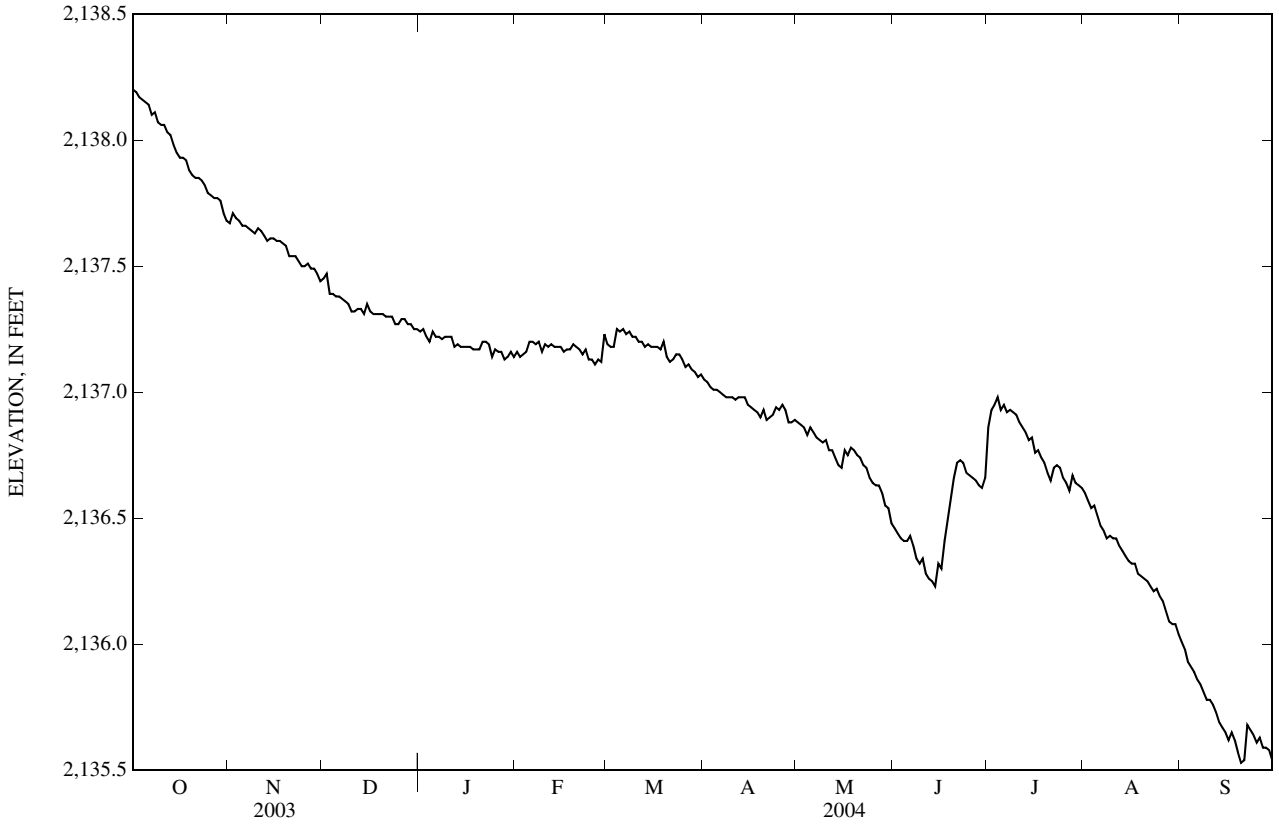
REMARKS.--Reservoir is formed by compacted earthfill dam. Storage began Nov. 13, 1950. Dam was completed in 1951. Total capacity, 870,400 acre-ft, consisting of the following: Dead storage, 8,260 acre-ft below elevation 2,090 ft, sill of trashrack structure; irrigation pool, 176,800 acre-ft between elevations 2,090 ft and 2,144 ft; flood-control pool, 191,900 acre-ft between elevations 2,144 ft and 2,166 ft, crest of uncontrolled spillway and uncontrolled storage, 493,400 acre-ft between elevations 2,166 ft and 2,200 ft. Reservoir is used to store water for flood control, irrigation of 6,600 acres, and recreation. Figures given herein represent total contents. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 2,154.90 ft, July 2, 1951, July 4, 5, 1957, contents, 269,400 acre-ft; minimum elevation since irrigation pool was first filled, 2,092.20 ft, Sept. 28, 1992, contents, 10,450 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 2,138.23 ft, Oct. 1, contents, 135,600 acre-ft; minimum elevation, 2,135.49 ft, Sept. 21, contents, 120,200 acre-ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Capacity table placed in use October 1951)

Elevation	Contents	Elevation	Contents	Elevation	Contents
2,135	117,600	2,137	128,500	2,139	140,100



06861500 CEDAR BLUFF RESERVOIR NEAR ELLIS, KS—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,138.20	2,137.67	2,137.45	2,137.24	2,137.16	2,137.19	2,137.05	2,136.88	2,136.46	2,136.86	2,136.60	2,136.01
2	2,138.19	2,137.71	2,137.47	2,137.25	2,137.14	2,137.18	2,137.04	2,136.87	2,136.44	2,136.93	2,136.57	2,135.98
3	2,138.17	2,137.69	2,137.39	2,137.22	2,137.15	2,137.18	2,137.02	2,136.86	2,136.42	2,136.95	2,136.54	2,135.93
4	2,138.16	2,137.68	2,137.39	2,137.20	2,137.16	2,137.25	2,137.01	2,136.83	2,136.41	2,136.98	2,136.55	2,135.91
5	2,138.15	2,137.66	2,137.38	2,137.24	2,137.20	2,137.24	2,137.01	2,136.86	2,136.41	2,136.93	2,136.51	2,135.89
6	2,138.14	2,137.66	2,137.38	2,137.22	2,137.20	2,137.25	2,137.00	2,136.84	2,136.43	2,136.95	2,136.47	2,135.86
7	2,138.10	2,137.65	2,137.37	2,137.22	2,137.19	2,137.23	2,136.99	2,136.82	2,136.39	2,136.92	2,136.45	2,135.84
8	2,138.11	2,137.64	2,137.36	2,137.21	2,137.20	2,137.24	2,136.98	2,136.81	2,136.34	2,136.93	2,136.42	2,135.81
9	2,138.07	2,137.63	2,137.35	2,137.22	2,137.16	2,137.22	2,136.98	2,136.80	2,136.32	2,136.92	2,136.43	2,135.78
10	2,138.06	2,137.65	2,137.32	2,137.22	2,137.19	2,137.22	2,136.98	2,136.81	2,136.34	2,136.91	2,136.42	2,135.78
11	2,138.06	2,137.64	2,137.32	2,137.22	2,137.18	2,137.20	2,136.97	2,136.77	2,136.28	2,136.88	2,136.42	2,135.76
12	2,138.03	2,137.62	2,137.33	2,137.18	2,137.19	2,137.20	2,136.98	2,136.77	2,136.26	2,136.86	2,136.39	2,135.73
13	2,138.02	2,137.60	2,137.33	2,137.19	2,137.18	2,137.18	2,136.98	2,136.74	2,136.25	2,136.84	2,136.37	2,135.69
14	2,137.98	2,137.61	2,137.31	2,137.18	2,137.18	2,137.19	2,136.98	2,136.71	2,136.23	2,136.81	2,136.35	2,135.67
15	2,137.95	2,137.61	2,137.35	2,137.18	2,137.18	2,137.18	2,136.95	2,136.70	2,136.32	2,136.82	2,136.33	2,135.65
16	2,137.93	2,137.60	2,137.32	2,137.18	2,137.16	2,137.18	2,136.94	2,136.77	2,136.30	2,136.76	2,136.32	2,135.62
17	2,137.93	2,137.60	2,137.31	2,137.18	2,137.17	2,137.18	2,136.93	2,136.75	2,136.41	2,136.77	2,136.32	2,135.65
18	2,137.92	2,137.59	2,137.31	2,137.17	2,137.17	2,137.17	2,136.92	2,136.78	2,136.49	2,136.74	2,136.28	2,135.62
19	2,137.88	2,137.58	2,137.31	2,137.17	2,137.19	2,137.20	2,136.90	2,136.77	2,136.58	2,136.72	2,136.27	2,135.57
20	2,137.86	2,137.54	2,137.31	2,137.17	2,137.18	2,137.14	2,136.93	2,136.75	2,136.66	2,136.68	2,136.26	2,135.53
21	2,137.85	2,137.54	2,137.30	2,137.20	2,137.17	2,137.12	2,136.89	2,136.74	2,136.72	2,136.65	2,136.25	2,135.54
22	2,137.85	2,137.54	2,137.30	2,137.20	2,137.15	2,137.13	2,136.90	2,136.71	2,136.73	2,136.70	2,136.23	2,135.68
23	2,137.84	2,137.52	2,137.30	2,137.19	2,137.17	2,137.15	2,136.91	2,136.70	2,136.72	2,136.71	2,136.21	2,135.66
24	2,137.82	2,137.50	2,137.27	2,137.14	2,137.13	2,137.15	2,136.94	2,136.66	2,136.68	2,136.70	2,136.22	2,135.64
25	2,137.79	2,137.50	2,137.27	2,137.17	2,137.13	2,137.13	2,136.93	2,136.64	2,136.67	2,136.66	2,136.19	2,135.61
26	2,137.78	2,137.51	2,137.29	2,137.16	2,137.11	2,137.10	2,136.95	2,136.63	2,136.66	2,136.64	2,136.17	2,135.63
27	2,137.77	2,137.49	2,137.29	2,137.16	2,137.13	2,137.11	2,136.93	2,136.63	2,136.65	2,136.61	2,136.13	2,135.59
28	2,137.77	2,137.49	2,137.27	2,137.13	2,137.12	2,137.09	2,136.88	2,136.60	2,136.63	2,136.67	2,136.09	2,135.59
29	2,137.76	2,137.47	2,137.27	2,137.14	2,137.23	2,137.08	2,136.88	2,136.55	2,136.62	2,136.64	2,136.08	2,135.58
30	2,137.71	2,137.44	2,137.25	2,137.16	---	2,137.06	2,136.89	2,136.54	2,136.66	2,136.63	2,136.08	2,135.54
31	2,137.68	---	2,137.25	2,137.14	---	2,137.07	---	2,136.48	---	2,136.62	2,136.04	---
MEAN	2,137.95	2,137.59	2,137.33	2,137.19	2,137.17	2,137.17	2,136.95	2,136.74	2,136.48	2,136.79	2,136.32	2,135.71
MAX	2,138.20	2,137.71	2,137.47	2,137.25	2,137.23	2,137.25	2,137.05	2,136.88	2,136.73	2,136.98	2,136.60	2,136.01
MIN	2,137.68	2,137.44	2,137.25	2,137.13	2,137.11	2,137.06	2,136.88	2,136.48	2,136.23	2,136.61	2,136.04	2,135.53
(+)	132,300	131,000	129,900	129,300	129,800	128,900	127,800	125,600	126,600	126,300	123,100	120,400
(#)	-3,000	-1,300	-1,100	-600	+500	-900	-1,100	-2,200	+1,000	-300	-3,200	-2,700

CAL YR 2003 ..... (#) -15,900
WTR YR 2004 ..... (#) -14,900

+ CONTENTS, IN ACRE-FEET, AT END OF MONTH.
# CHANGE IN CONTENTS, IN ACRE-FEET.

06862700 SMOKY HILL RIVER NEAR SCHOENCHEN, KS

LOCATION.--Lat 38°42'40", long 99°20'51", in NW ¼ NW ¼ NE ¼ sec.32, T.15 S., R.18 W., Ellis County, Hydrologic Unit 10260006, on left bank, 0.5 mi west of Schoenchen and at mile 307.0.

DRAINAGE AREA.--5,760 mi^2.

PERIOD OF RECORD.--July 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,909.07 ft above NGVD of 1929. July 1964 to February 1985, water-stage recorder at site 1.2 mi upstream at different datum. February 1985 to July 2004, water-stage recorder at site 2.6 mi upstream at datum 13.41 ft higher.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow mostly regulated since 1950 by Cedar Bluff Reservoir (station 06861500), 21.4 mi upstream. Natural flow also affected by ground-water withdrawals, diversions for irrigation, and return flow from irrigated areas. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.2	e1.0	e3.6	e4.0	e2.4	e9.3	e3.7	e4.0	e0.56	e6.4	4.8	0.01
2	e1.4	e1.0	e3.6	e4.0	e2.5	e8.2	e3.8	e4.0	e0.49	e22	2.9	0.01
3	e1.4	e1.2	e3.6	e4.0	e2.8	e7.6	e3.9	e3.9	e0.47	e20	1.6	0.01
4	e1.2	e1.2	e3.4	e4.0	e3.3	e9.4	e4.0	e3.7	e0.41	e15	0.83	0.00
5	e1.2	e1.1	e3.2	e3.2	e3.2	e14	e3.5	e3.4	e0.41	e9.3	0.53	0.01
6	e1.4	e1.2	e3.2	e3.3	e3.2	e13	e2.9	e3.0	e0.41	e8.0	0.33	0.01
7	e1.2	e1.3	e4.0	e3.7	e3.5	e11	e2.8	e2.7	e0.33	e7.1	0.22	0.01
8	e1.1	e1.4	e4.0	e4.2	e4.7	e9.8	e2.6	e2.4	e0.09	e7.4	0.21	0.00
9	e1.1	e1.7	e4.2	e4.1	e4.7	e8.8	e2.9	e2.0	e0.00	e5.8	0.12	0.00
10	e1.2	e1.9	e3.6	e4.5	e5.4	e8.4	e2.8	e1.9	e0.00	e5.3	0.16	0.00
11	e1.4	e2.1	e3.4	e5.5	e4.9	e7.2	e3.5	e1.6	e0.00	e4.9	0.14	0.00
12	e1.4	e2.1	e3.6	e4.9	e4.6	e7.2	e3.8	e1.3	e0.00	e4.6	0.07	0.00
13	e1.4	e2.2	e4.0	e4.7	e4.5	e7.3	e4.2	e1.4	e0.00	e4.5	0.06	0.00
14	e1.2	e2.3	e4.0	e5.4	e4.7	e6.9	e3.9	e1.4	e0.00	e4.4	0.05	0.00
15	e1.4	e2.4	e4.0	e5.3	e5.0	e6.8	e3.4	e1.6	e0.00	3.7	0.04	0.00
16	e1.5	e2.5	e4.0	e5.6	e5.3	e6.1	e3.6	e1.3	e0.00	3.1	0.05	0.00
17	e1.6	e2.6	e4.0	e5.5	e5.2	e5.8	e3.5	e1.7	e0.00	2.7	0.04	0.00
18	e1.6	e2.7	e4.0	e4.5	e6.7	e5.1	e3.1	e1.5	e0.67	2.1	0.03	0.00
19	e1.4	e2.8	e4.0	e3.8	e7.7	e4.0	e2.8	e1.7	e2.4	1.4	0.03	0.00
20	e1.5	e2.9	e4.0	e4.0	e8.1	e3.9	e2.9	e1.5	e6.2	0.85	0.03	0.00
21	e1.2	e3.0	e4.0	e3.8	e7.3	e3.6	e2.7	e1.4	e8.9	0.72	0.02	0.00
22	e1.2	e3.1	e4.0	e3.9	e6.9	e3.7	e2.7	e1.2	e18	1.5	0.02	0.00
23	e1.1	e3.2	e4.0	e4.5	e6.6	e3.7	e2.6	e1.0	e9.9	2.2	0.02	0.01
24	e1.1	e3.3	e4.0	e4.6	e5.7	e3.4	e4.0	e1.1	e5.0	2.4	0.02	0.00
25	e1.0	e3.4	e4.0	e4.1	e5.4	e3.1	e5.3	e1.0	e3.2	2.1	0.02	0.00
26	e0.90	e3.5	e4.0	e3.7	e5.0	e3.4	e5.7	e1.2	e2.0	1.5	0.02	0.00
27	e0.83	e3.6	e4.0	e3.4	e5.6	e3.6	e5.0	e1.2	e2.3	0.87	0.01	0.00
28	e0.86	e3.6	e4.0	e3.2	e5.8	e3.8	e4.3	e1.0	e0.91	0.84	0.01	0.00
29	e0.90	e3.6	e4.0	e2.9	e7.7	e3.7	e3.7	e0.90	e0.56	49	0.01	0.00
30	e0.91	e3.6	e4.0	e2.6	---	e3.4	e3.7	e0.76	e0.57	19	0.01	0.00
31	e0.85	---	e4.0	e2.5	---	e3.6	---	e0.68	---	7.9	0.01	---
MEAN	1.21	2.38	3.85	4.11	5.12	6.41	3.58	1.85	2.13	7.31	0.40	0.00
MAX	1.6	3.6	4.2	5.6	8.1	14	5.7	4.0	18	49	4.8	0.01
MIN	0.83	1.0	3.2	2.5	2.4	3.1	2.6	0.68	0.00	0.72	0.01	0.00
AC-FT	75	142	237	253	294	394	213	114	127	449	25	0.1

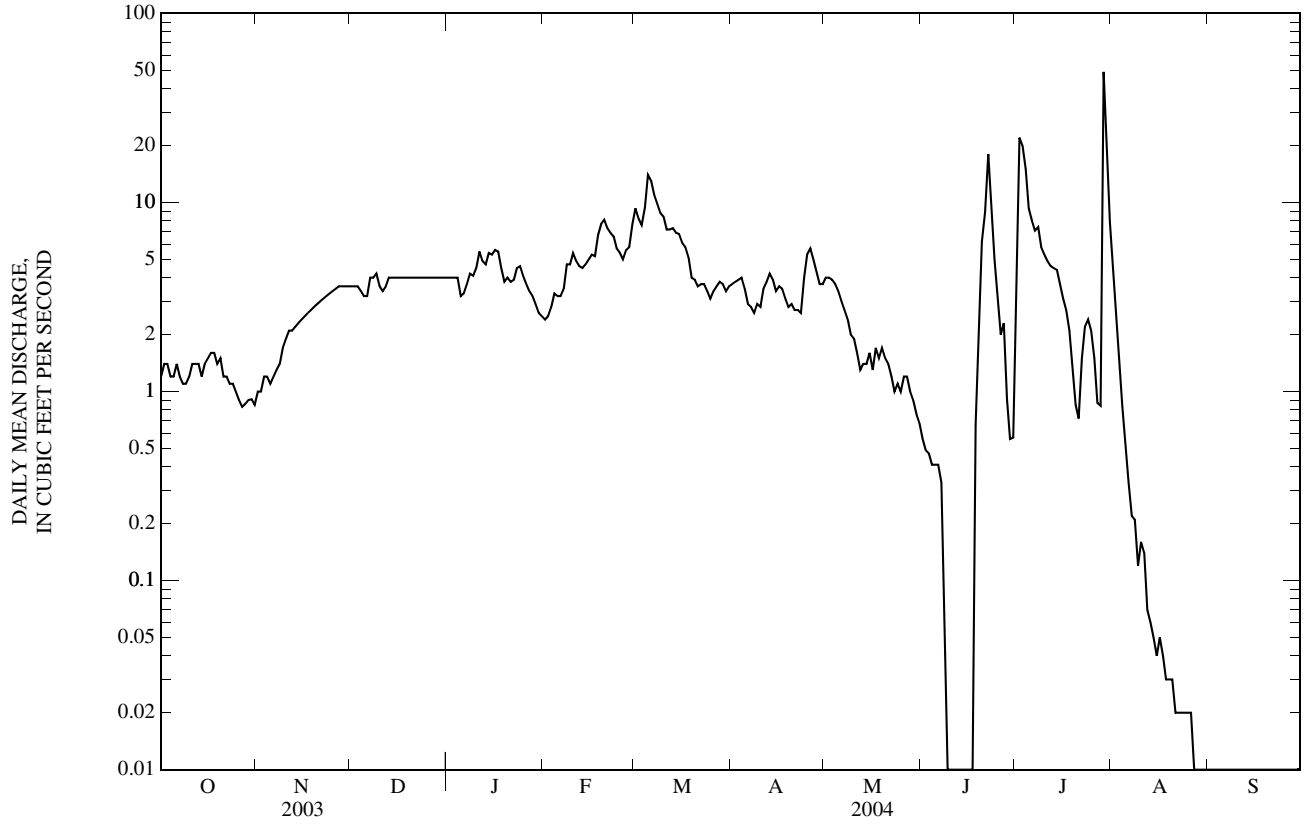
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

MEAN	10.5	14.9	10.1	10.6	15.9	26.0	25.7	20.9	39.4	49.4	30.8	14.9
MAX	70.9	122	39.8	53.2	71.0	226	188	102	495	710	332	97.3
(WY)	(1974)	(1966)	(1974)	(1974)	(1966)	(1979)	(1998)	(1999)	(1970)	(1993)	(1998)	(2001)
MIN	0.00	0.00	0.00	0.11	0.39	0.38	0.09	0.31	0.45	0.11	0.00	0.00
(WY)	(1992)	(1984)	(1992)	(1992)	(1992)	(1992)	(1989)	(1989)	(1991)	(1983)	(1983)	(1983)

06862700 SMOKY HILL RIVER NEAR SCHOENCHEN, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL MEAN	8.95		3.20		22.5	
HIGHEST ANNUAL MEAN					83.5	1993
LOWEST ANNUAL MEAN					0.49	1991
HIGHEST DAILY MEAN	1,530	Sep 11	49	Jul 29	11,000	Jul 21, 1993
LOWEST DAILY MEAN	0.00	Jul 17	0.00	Jun 9	0.00	Jul 4, 1983
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 17	0.00	Jun 9	0.00	Jul 4, 1983
MAXIMUM PEAK FLOW			88	Jul 29	20,400	Jun 14, 1970
MAXIMUM PEAK STAGE			5.10	Jul 29	16.55	Jul 21, 1993
INSTANTANEOUS LOW FLOW			0.00	Jun 9	0.00	at times
ANNUAL RUNOFF (AC-FT)	6,480		2,320		16,270	
10 PERCENT EXCEEDS	7.4		6.3		28	
50 PERCENT EXCEEDS	4.0		2.9		10	
90 PERCENT EXCEEDS	0.00		0.01		0.34	

e Estimated



06862850 SMOKY HILL RIVER BELOW SCHOENCHEN, KS

LOCATION.--Lat 38°42'46", long 99°17'30", in SW ¼ SW ¼ SE ¼ sec.26, T.15 S., R.18 W., Ellis County, Hydrologic Unit 10260006, on right bank, 1.5 mi upstream from Big Timber Creek, 2.1 mi east of Schoenchen, and at mile 304.9.

DRAINAGE AREA.--5,810 mi^2.

PERIOD OF RECORD.--October 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,885.38 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow mostly regulated since 1950 by Cedar Bluff Reservoir (station 06861500), 28.8 mi upstream. Natural flow also affected by ground-water withdrawals, diversions for irrigation, and return flow from irrigated areas. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.0	e0.00	e1.5	e2.9	e1.6	6.0	4.0	3.7	0.02	e22	e4.2	e0.00
2	e0.75	e0.00	e1.9	e2.8	e1.6	5.1	3.6	3.5	0.03	e73	e3.4	e0.00
3	e0.54	e0.00	e2.0	e2.7	e1.6	5.1	3.3	3.6	0.02	e23	e2.6	e0.00
4	e0.34	e0.00	e2.1	e2.3	e1.6	7.5	3.3	3.8	0.02	e18	e2.0	e0.00
5	e0.20	e0.00	e2.0	e1.6	e1.6	11	3.4	3.6	0.01	e7.4	e1.7	e0.00
6	e0.12	e0.00	e1.6	e1.8	e2.2	11	3.1	2.8	0.01	e3.0	e1.3	e0.00
7	e0.07	e0.00	e1.4	e2.0	e3.5	9.4	2.8	2.2	0.01	e1.3	e1.1	e0.00
8	e0.04	e0.00	e1.6	e2.0	e5.8	9.5	2.5	2.1	0.01	e1.3	e0.74	e0.00
9	e0.02	e0.00	e1.7	e1.9	e6.0	9.2	2.4	2.5	0.00	e0.28	e0.58	e0.00
10	e0.00	e0.00	e1.4	e2.0	e6.1	8.9	2.2	2.0	0.00	e0.20	e0.36	e0.00
11	e0.01	e0.00	e1.5	e2.3	e6.7	8.0	2.1	2.0	0.00	e0.12	e0.25	e0.00
12	e0.00	e0.00	e1.4	e2.3	e4.2	7.8	2.2	1.8	0.00	e0.04	e0.16	e0.00
13	e0.00	e0.00	e1.7	e2.6	e5.5	7.4	2.6	1.5	e0.00	e0.00	e0.13	e0.00
14	e0.00	e0.00	e1.7	e2.9	e5.1	6.8	2.9	1.4	e0.00	e0.00	e0.02	e0.00
15	e0.00	e0.00	e1.9	e5.2	e4.4	7.2	2.8	1.1	e0.00	e0.01	e0.00	e0.00
16	e0.00	e0.00	e1.4	e4.5	e4.7	6.6	2.3	0.85	e0.00	e0.01	e0.01	e0.00
17	e0.00	e0.20	e1.4	e3.8	e4.0	6.4	1.9	0.84	e0.00	e0.00	e0.01	e0.00
18	e0.00	e0.14	e1.3	e3.7	e5.6	5.5	1.9	0.93	e0.00	e0.00	e0.00	e0.00
19	e0.00	e0.16	e1.3	e3.5	e6.3	5.5	1.6	1.2	e0.00	e0.00	e0.00	e0.00
20	e0.00	e0.41	e1.5	e3.4	e6.5	4.9	1.8	0.70	e0.00	e0.01	e0.00	e0.00
21	e0.00	e0.54	e1.5	e3.3	e6.4	4.7	1.6	0.41	e0.00	e0.01	e0.00	e0.00
22	e0.00	e0.73	e1.5	e3.0	e6.2	4.8	1.6	0.42	e0.02	e0.11	e0.00	e0.00
23	e0.00	e0.70	e1.5	e3.4	e5.8	5.0	1.4	0.33	e4.3	e0.12	e0.00	e0.00
24	e0.00	e0.83	e1.6	e2.7	e5.4	4.7	2.4	0.23	e3.7	e0.11	e0.00	e0.00
25	e0.00	e1.1	e1.5	e3.0	e5.0	4.4	2.6	0.15	e3.1	e0.09	e0.00	e0.00
26	e0.00	e1.2	e1.6	e2.6	4.8	4.3	2.7	0.12	e2.4	e0.06	e0.00	e0.00
27	e0.00	e1.3	e1.8	e2.2	4.6	4.6	3.1	0.09	e2.0	e0.03	e0.00	e0.00
28	e0.00	e1.2	e1.8	e1.9	4.5	4.2	3.2	0.07	e1.8	e0.03	e0.00	e0.00
29	e0.00	e1.4	e1.6	e1.7	5.5	4.1	2.6	0.07	e1.4	e17	e0.00	e0.00
30	e0.00	e1.6	e1.7	e1.6	---	4.0	3.0	0.06	e1.1	e21	e0.00	e0.00
31	e0.00	---	e2.4	e1.6	---	4.0	---	0.05	---	e7.0	e0.00	---
MEAN	0.10	0.38	1.64	2.68	4.58	6.37	2.56	1.42	0.67	6.30	0.60	0.00
MAX	1.0	1.6	2.4	5.2	6.7	11	4.0	3.8	4.3	73	4.2	0.00
MIN	0.00	0.00	1.3	1.6	1.6	4.0	1.4	0.05	0.00	0.00	0.00	0.00
AC-FT	6.1	23	101	165	263	392	153	88	40	387	37	0.00

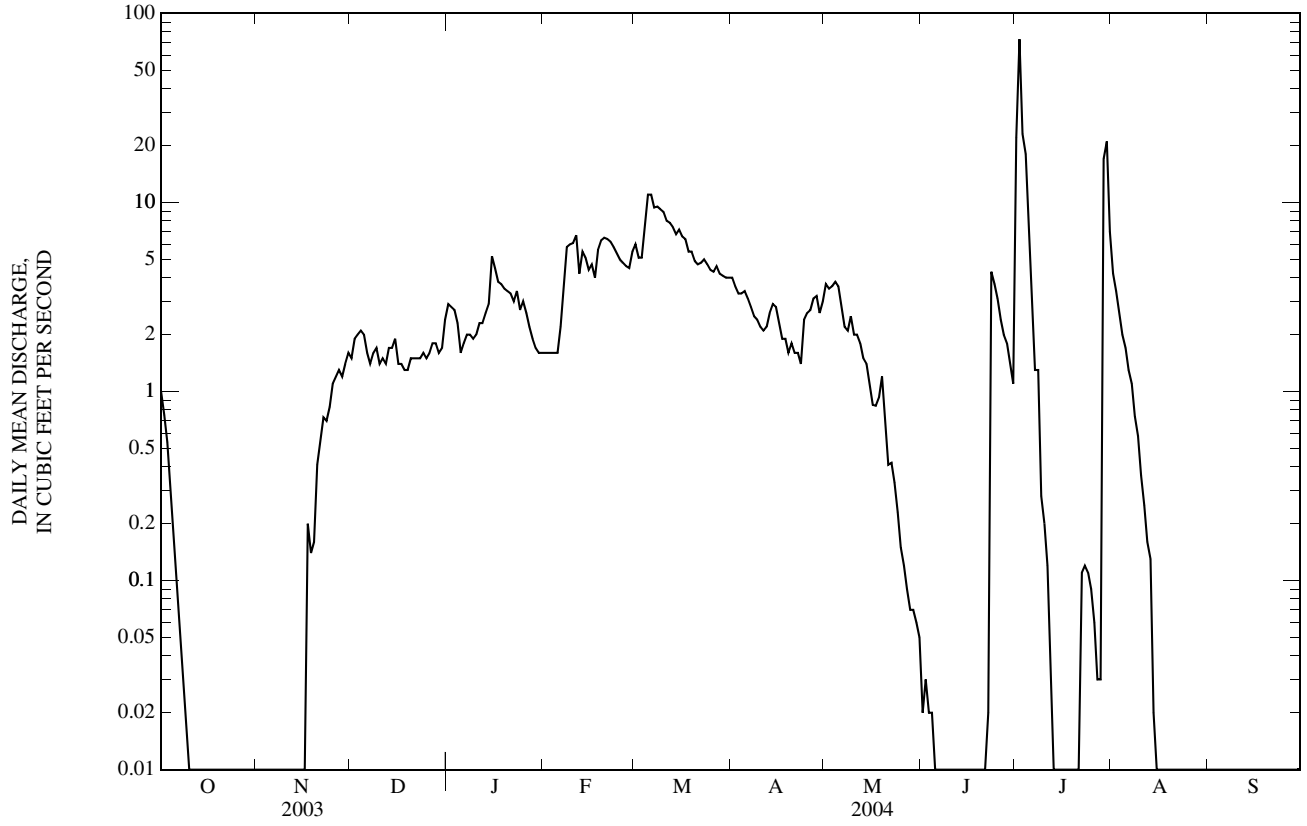
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, BY WATER YEAR (WY)

MEAN	3.46	7.64	5.04	4.92	9.27	17.6	29.3	21.9	18.5	50.4	35.8	14.5
MAX	20.8	83.9	17.4	18.7	44.0	118	234	107	140	784	266	122
(WY)	(1994)	(1997)	(1999)	(1999)	(1999)	(1993)	(1987)	(1999)	(1996)	(1993)	(1998)	(2001)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1982)	(1984)	(1984)	(1984)	(1984)	(1985)	(1985)	(1985)	(1985)	(1988)	(1983)	(1983)

06862850 SMOKY HILL RIVER BELOW SCHOENCHEN, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004	
ANNUAL MEAN	8.05		2.28		18.3	
HIGHEST ANNUAL MEAN					94.4	1993
LOWEST ANNUAL MEAN					0.00	1991
HIGHEST DAILY MEAN	1,250	Sep 11	73	Jul 2	12,000	Jul 21, 1993
LOWEST DAILY MEAN	0.00	Jul 16	0.00	Oct 10	0.00	Oct 1, 1981
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 16	0.00	Oct 12	0.00	Oct 1, 1981
MAXIMUM PEAK FLOW			124	Jul 2	20,500	Jul 21, 1993
MAXIMUM PEAK STAGE			4.38	Jul 2	17.60	Jul 21, 1993
INSTANTANEOUS LOW FLOW			0.00	Oct 10	0.00	most years
ANNUAL RUNOFF (AC-FT)	5,830		1,650		13,250	
10 PERCENT EXCEEDS	7.7		5.5		23	
50 PERCENT EXCEEDS	3.0		1.4		2.4	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated



06863000 SMOKY HILL RIVER AT PFEIFER, KS

LOCATION.--Lat 38°42'53", long 99°01'12", in NE ¼ SE ¼ SE ¼ sec.25, T.15 S., R.17 W., Ellis County, Hydrologic Unit 10260006, near left upstream side of county bridge, 0.75 mi east and 0.25 mi north of Pfeifer, 5 mi upstream from Deer Creek, and 9 mi south of Victoria, and at mile 292.9.

DRAINAGE AREA.--6,020 mi^2.

PERIOD OF RECORD.--March 1929 to June 1932, annual maximum, water years 1970-85, August to September 2004.

GAGE.--Water-stage recorder. Datum of gage is 1,821.19 ft above NGVD of 1929. March 1929 to June 1921 at same site and datum, May 3, 1956, to June 30, 1961, low-flow recording gage 4.5 mi upstream at different datum, and June 14, 1970, to July 29, 1985, nonrecording gage at present site and datum.

REMARKS.--Records fair. Flow mostly regulated since 1950 by Cedar Bluff Reservoir (station 06861500), 28.8 mi upstream. Natural flow also affected by ground-water withdrawals, diversions for irrigation, and return flow from irrigated areas. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

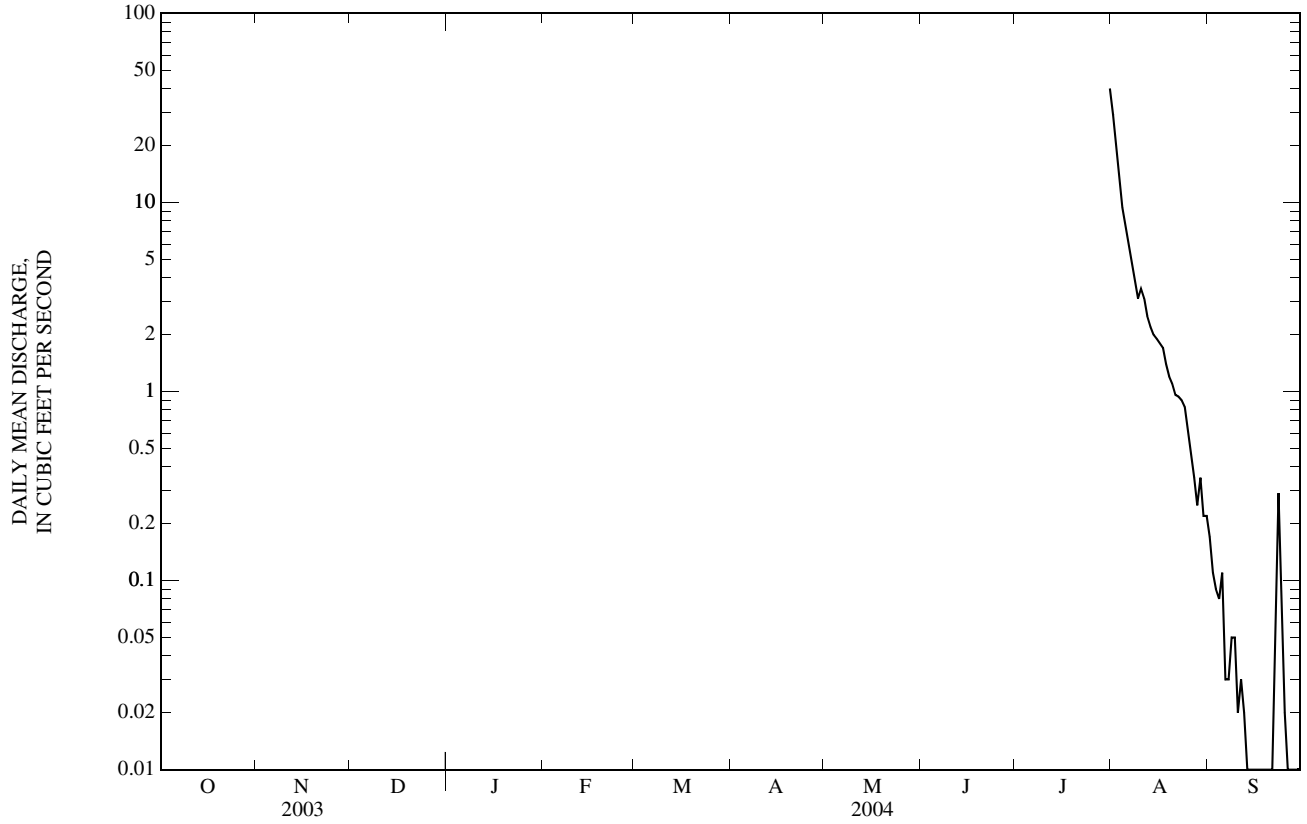
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	29	0.17
2	---	---	---	---	---	---	---	---	---	---	19	0.11
3	---	---	---	---	---	---	---	---	---	---	13	0.09
4	---	---	---	---	---	---	---	---	---	---	9.4	0.08
5	---	---	---	---	---	---	---	---	---	---	7.3	0.11
6	---	---	---	---	---	---	---	---	---	---	5.9	0.03
7	---	---	---	---	---	---	---	---	---	---	4.8	0.03
8	---	---	---	---	---	---	---	---	---	---	3.9	0.05
9	---	---	---	---	---	---	---	---	---	---	3.1	0.05
10	---	---	---	---	---	---	---	---	---	---	3.5	0.02
11	---	---	---	---	---	---	---	---	---	---	3.1	0.03
12	---	---	---	---	---	---	---	---	---	---	2.5	0.02
13	---	---	---	---	---	---	---	---	---	---	2.2	0.01
14	---	---	---	---	---	---	---	---	---	---	2.0	0.01
15	---	---	---	---	---	---	---	---	---	---	1.9	0.01
16	---	---	---	---	---	---	---	---	---	---	1.8	0.01
17	---	---	---	---	---	---	---	---	---	---	1.7	0.01
18	---	---	---	---	---	---	---	---	---	---	1.4	0.01
19	---	---	---	---	---	---	---	---	---	---	1.2	0.01
20	---	---	---	---	---	---	---	---	---	---	1.1	0.01
21	---	---	---	---	---	---	---	---	---	---	0.96	0.01
22	---	---	---	---	---	---	---	---	---	---	0.94	0.09
23	---	---	---	---	---	---	---	---	---	---	0.90	0.29
24	---	---	---	---	---	---	---	---	---	---	0.83	0.09
25	---	---	---	---	---	---	---	---	---	---	0.61	0.02
26	---	---	---	---	---	---	---	---	---	---	0.47	0.01
27	---	---	---	---	---	---	---	---	---	---	0.35	0.01
28	---	---	---	---	---	---	---	---	---	---	0.25	0.01
29	---	---	---	---	---	---	---	---	---	---	0.35	0.01
30	---	---	---	---	---	---	---	---	---	---	0.22	0.01
31	---	---	---	---	---	---	---	---	---	---	0.22	---
MEAN	---	---	---	---	---	---	---	---	---	---	4.00	0.05
MAX	---	---	---	---	---	---	---	---	---	---	29	0.29
MIN	---	---	---	---	---	---	---	---	---	---	0.22	0.01
AC-FT	---	---	---	---	---	---	---	---	---	---	246	2.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	223	89.7	43.0	24.1	27.9	30.4	90.6	89.2	250	78.5	41.7	30.5
MAX	625	230	94.1	56.0	45.7	51.6	240	182	431	79.2	93.4	84.3
(WY)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1930)	(1931)	(1930)	(1930)
MIN	9.81	11.9	17.2	7.55	17.8	15.0	12.2	20.7	137	77.9	4.00	0.05
(WY)	(1932)	(1932)	(1932)	(1932)	(1932)	(1930)	(1930)	(1932)	(1931)	(1930)	(2004)	(2004)

06863000 SMOKY HILL RIVER AT PFEIFER, KS—Continued

SUMMARY STATISTICS	WATER YEARS 1930 - 2004	
ANNUAL MEAN	111	
HIGHEST ANNUAL MEAN	149	1931
LOWEST ANNUAL MEAN	73.5	1930
HIGHEST DAILY MEAN	3,280	Oct 13, 1930
LOWEST DAILY MEAN	0.01	Sep 13, 2004
ANNUAL SEVEN-DAY MINIMUM	0.01	Sep 13, 2004
MAXIMUM PEAK FLOW	30,000	Jun 14, 1970
MAXIMUM PEAK STAGE	19.30	Jun 14, 1970
INSTANTANEOUS LOW FLOW	0.00	Sep 14, 2004
ANNUAL RUNOFF (AC-FT)	80,570	
10 PERCENT EXCEEDS	187	
50 PERCENT EXCEEDS	50	
90 PERCENT EXCEEDS	13	



06863500 BIG CREEK NEAR HAYS, KS

LOCATION.--Lat 38°51'08", long 99°19'05", in NE ¼ SE ¼ NE ¼ sec.9, T.14 S., R.18 W., Ellis County, Hydrologic Unit 10260007, on right bank near downstream side of U.S. Highway 183 bridge, 0.6 mi south of intersection with Highway 183 alternate (bypass) in Hays, and at mile 44.9.

DRAINAGE AREA.--549 mi^2.

PERIOD OF RECORD.--April 1946 to current year.

REVISED RECORDS.--WSP 1340: 1947-48(P).

GAGE.--Water-stage recorder. Elevation of gage is 1,953.88 ft above NGVD of 1929. Prior to Nov. 20, 1947, nonrecording gage, and Nov. 20, 1947, to Aug. 22, 1965, water-stage recorder and concrete control at site 0.7 mi downstream at datum 1,955.13 ft above NGVD of 1929. From Aug. 23, 1965, to Sept. 30, 1998, at site 13.2 mi downstream at datum 1,915 ft above mean NGVD of 1929.

REMARKS.--Records fair except those for discharges less than 1 ft^3/s and estimated daily discharges, which are poor. Natural flow affected by ground-water withdrawals, many small diversions upstream from station, and return flow from irrigated areas. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul 28	1900	*1,010	*14.48	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.72	0.94	2.1	2.5	e1.6	6.0	4.1	4.7	0.48	7.8	2.6	0.37
2	0.66	1.4	2.2	2.6	e1.6	4.0	3.7	2.8	0.57	2.7	2.0	0.19
3	0.87	1.8	2.1	2.6	e1.9	3.8	3.5	2.7	0.72	1.6	1.7	0.07
4	0.72	2.3	2.0	e2.3	e2.4	19	3.4	2.3	0.55	74	1.5	0.02
5	0.88	e2.0	1.9	e2.1	e2.4	12	3.7	2.2	0.52	51	1.3	1.9
6	0.68	2.1	1.9	e2.1	e2.2	5.4	3.5	2.4	0.35	35	1.2	0.15
7	0.73	1.8	2.1	e2.1	e2.4	4.9	3.8	2.2	0.10	26	1.2	0.00
8	0.61	1.9	2.2	e2.2	e3.0	6.5	3.3	2.4	0.44	27	1.1	0.00
9	0.69	2.1	3.0	e2.3	e3.7	5.6	4.2	2.5	0.01	17	1.1	0.00
10	0.98	2.0	e3.1	e2.4	e3.7	5.2	3.9	2.2	0.00	14	6.8	0.00
11	5.3	1.8	3.2	e2.6	e3.5	4.9	3.8	37	0.00	12	3.4	0.00
12	0.49	1.9	e3.3	e2.7	e3.9	4.3	4.9	1.9	0.00	9.9	1.2	0.00
13	0.87	1.6	3.4	2.8	e4.2	4.3	4.7	1.3	0.00	8.2	0.92	0.00
14	0.55	1.6	3.3	2.6	e4.2	4.6	4.9	1.1	0.00	6.7	0.99	0.00
15	0.56	1.9	3.2	2.5	e4.1	5.2	4.9	1.0	8.0	5.7	0.96	4.1
16	0.51	1.8	3.2	2.8	e4.1	4.1	3.9	2.2	1.3	4.8	3.7	0.04
17	0.62	2.5	3.4	2.8	e4.6	4.1	3.5	3.2	15	3.7	0.94	0.00
18	0.72	1.8	2.7	2.6	e5.4	4.4	3.0	1.1	120	3.1	0.73	0.00
19	0.65	1.7	2.7	e2.3	6.9	4.5	2.3	1.0	31	2.7	3.7	0.00
20	0.51	1.7	2.8	2.2	3.9	4.2	2.8	1.0	10	2.2	0.95	0.00
21	0.62	1.9	2.8	2.2	3.1	4.0	2.6	0.88	8.4	12	0.65	0.00
22	0.45	1.5	2.9	2.2	2.7	4.1	2.9	0.75	3.4	30	0.51	4.8
23	0.37	e1.6	2.8	2.3	2.5	4.4	2.7	0.68	2.3	22	0.58	14
24	0.62	1.7	2.8	2.4	2.1	4.4	13	e0.67	1.7	8.3	0.53	0.41
25	0.65	2.0	2.7	e2.1	2.0	4.4	3.7	e0.66	1.3	5.7	0.39	0.12
26	0.94	2.1	2.6	e1.9	2.0	4.3	4.8	0.65	6.2	4.5	0.25	0.11
27	1.0	2.2	2.7	e1.8	1.9	6.4	5.2	0.67	3.4	3.6	0.19	0.24
28	0.60	2.1	2.8	e1.6	1.9	4.0	4.1	0.63	1.2	232	0.11	0.21
29	0.64	2.1	2.8	e1.6	18	3.6	3.4	0.53	1.2	95	12	0.11
30	0.95	e2.1	2.6	e1.6	---	3.8	5.0	0.36	2.5	6.2	6.2	0.09
31	0.91	---	2.5	e1.6	---	4.1	---	0.51	---	3.0	0.68	---
MEAN	0.84	1.86	2.70	2.27	3.65	5.31	4.11	2.72	7.35	23.8	1.94	0.90
MAX	5.3	2.5	3.4	2.8	18	19	13	37	120	232	12	14
MIN	0.37	0.94	1.9	1.6	1.6	3.6	2.3	0.36	0.00	1.6	0.11	0.00
AC-FT	52	111	166	140	210	326	244	167	438	1,460	119	53

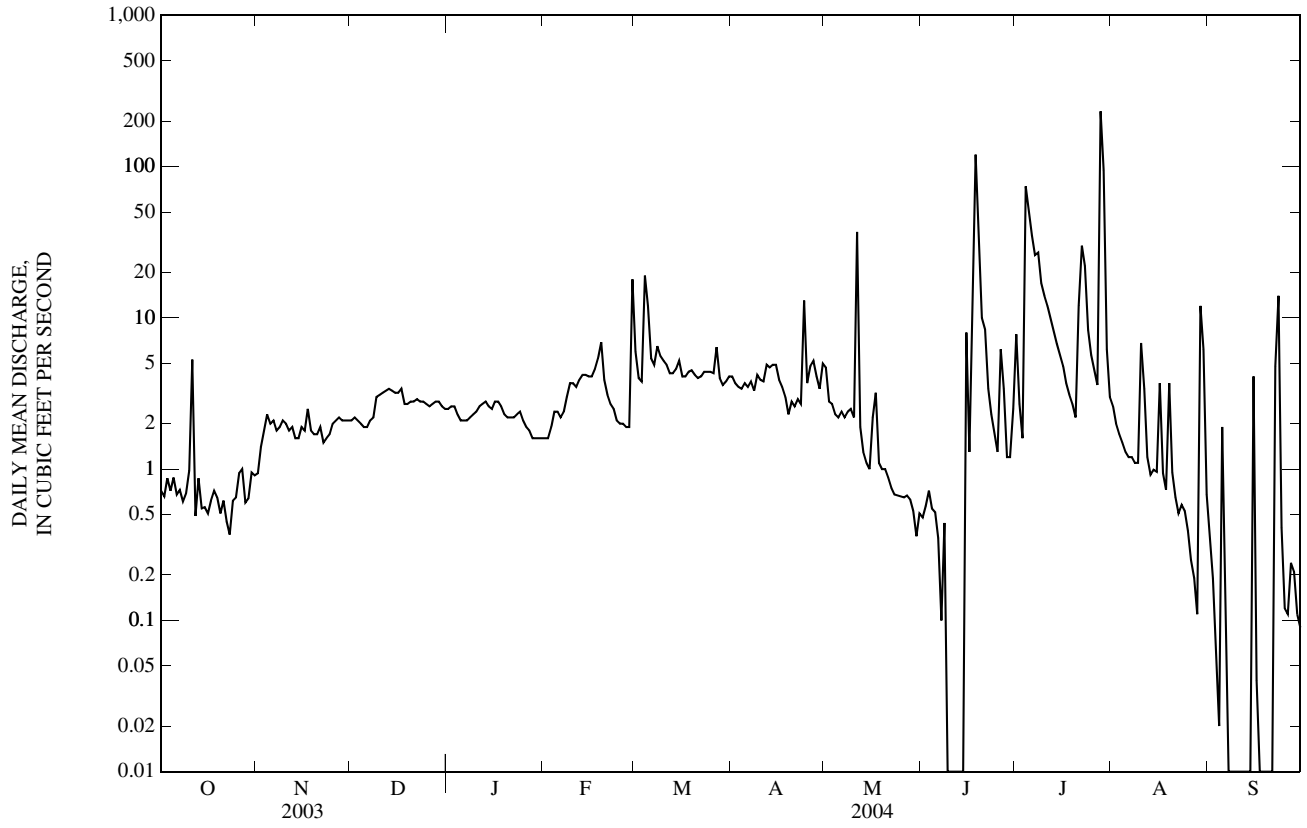
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2004, BY WATER YEAR (WY)

MEAN	21.3	12.2	9.40	9.98	14.7	22.9	26.2	46.3	95.2	62.5	42.6	22.4
MAX	465	115	36.7	59.7	113	173	298	520	1,805	606	266	189
(WY)	(1947)	(1997)	(1998)	(1974)	(1949)	(1960)	(1987)	(1995)	(1951)	(1993)	(1950)	(1957)
MIN	0.55	1.33	0.36	1.21	1.46	1.26	2.10	2.05	1.74	1.04	0.97	0.52
(WY)	(1948)	(1957)	(1957)	(1957)	(1955)	(1957)	(1954)	(1956)	(1956)	(1980)	(1955)	(1953)

06863500 BIG CREEK NEAR HAYS, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1947 - 2004	
ANNUAL MEAN	8.59		4.81		32.2	
HIGHEST ANNUAL MEAN					238	1951
LOWEST ANNUAL MEAN					3.05	1991
HIGHEST DAILY MEAN	867	Sep 11	232	Jul 28	10,600	Jun 17, 1957
LOWEST DAILY MEAN	0.00	Aug 3	0.00	Jun 10	0.00	Feb 12, 1948
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 3	0.00	Sep 7	0.00	Feb 12, 1948
MAXIMUM PEAK FLOW			1,010	Jul 28	22,400	Jun 17, 1957
MAXIMUM PEAK STAGE			14.48	Jul 28	29.00	Jul 21, 1993
INSTANTANEOUS LOW FLOW			0.00	Jun 9	0.00	at times
ANNUAL RUNOFF (AC-FT)	6,220		3,490		23,330	
10 PERCENT EXCEEDS	11		6.2		37	
50 PERCENT EXCEEDS	4.5		2.2		7.9	
90 PERCENT EXCEEDS	0.35		0.37		1.8	

e Estimated



06864050 SMOKY HILL RIVER NEAR BUNKER HILL, KS

LOCATION.--Lat 38°47'38", long 98°46'51", in NW ¼ SW ¼ NW ¼ sec.33, T.14 S., R.13 W., Russell County, Hydrologic Unit 10260006, on left bank at downstream side of county highway bridge, 0.5 mi upstream from Sellens Creek, 6.5 mi southwest of Bunker Hill, and at mile 261.6.

DRAINAGE AREA.--7,075 mi^2.

PERIOD OF RECORD.--October 1939 to current year. Prior to October 1974, published as "near Russell."

REVISED RECORDS.--WSP 1340: 1941-42(M), 1944-45(M), 1950(P).

GAGE.--Water-stage recorder. Datum of gage is 1,670.05 ft above NGVD of 1929. Prior to Sept. 11, 1940, nonrecording gage and Sept. 11, 1940, to Sept. 30, 1974, water-stage recorder at site 4.7 mi upstream at datum 1,689.05 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow moderately regulated since 1950 by Cedar Bluff Reservoir (station 06861500), 72.1 mi upstream. Natural flow affected by ground-water withdrawals, diversions for irrigation, and return flow from irrigated areas. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 30, 1938, reached a stage of about 29.0 ft, from floodmarks, discharge, about 70,000 ft^3/s, from rating curve extended above 37,500 ft^3/s, site and datum of 1939-74.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	8.1	8.1	13	e13	21	15	17	7.4	184	343	17
2	20	8.4	8.4	14	e13	19	14	16	6.9	1,080	187	18
3	19	9.1	8.5	14	e14	21	14	14	6.6	358	121	18
4	18	8.9	8.3	13	e15	27	13	13	6.1	171	93	15
5	17	8.8	8.2	e12	e15	31	13	14	6.3	144	77	14
6	16	8.8	8.3	e11	e15	25	13	13	6.5	91	66	13
7	14	8.6	8.5	e12	e15	24	12	12	5.9	104	60	12
8	14	8.5	8.3	e14	e16	28	12	11	5.4	1,460	60	11
9	14	8.7	8.6	17	e17	23	12	11	5.2	2,000	430	9.9
10	14	8.8	e8.6	17	e18	21	13	9.9	5.1	779	332	9.2
11	13	9.2	e8.0	18	e18	19	13	651	4.8	308	459	8.9
12	13	8.8	e8.0	17	e18	19	13	1,360	4.5	167	122	8.6
13	13	8.5	e8.0	18	e18	19	12	333	4.2	105	60	8.2
14	12	8.5	e9.0	17	e18	18	12	120	4.0	78	48	7.5
15	13	8.4	e10	17	e18	19	12	68	5.3	62	42	8.5
16	13	8.5	13	16	e19	18	11	51	5.3	54	38	7.3
17	11	8.6	14	17	e20	18	11	51	6.0	51	36	7.1
18	11	8.4	14	17	21	17	12	40	30	42	34	6.9
19	10	8.1	14	17	21	16	11	33	145	36	39	6.6
20	10	8.0	14	16	21	16	12	35	130	31	50	7.9
21	9.5	7.9	13	16	20	16	11	30	136	28	37	7.2
22	9.4	8.1	14	15	19	15	12	24	119	30	31	8.9
23	9.2	8.5	14	15	19	15	12	20	48	41	31	28
24	9.0	8.4	13	15	18	15	14	17	31	55	30	26
25	9.3	8.3	13	17	18	16	15	15	23	71	26	18
26	8.7	8.0	14	e16	17	16	13	13	18	52	24	18
27	8.5	7.9	14	e15	17	18	13	12	15	39	21	15
28	8.2	8.0	14	e14	16	18	16	11	13	33	19	13
29	8.3	8.1	14	e13	18	16	13	10	11	781	18	12
30	8.0	8.2	13	e13	---	15	14	9.2	13	3,310	17	10
31	7.9	---	13	e13	---	15	---	8.2	---	876	18	---
MEAN	12.3	8.44	11.1	15.1	17.4	19.2	12.8	98.1	27.6	407	95.8	12.4
MAX	21	9.2	14	18	21	31	16	1,360	145	3,310	459	28
MIN	7.9	7.9	8.0	11	13	15	11	8.2	4.0	28	17	6.6
AC-FT	758	502	684	930	1,000	1,180	760	6,030	1,640	25,030	5,890	735

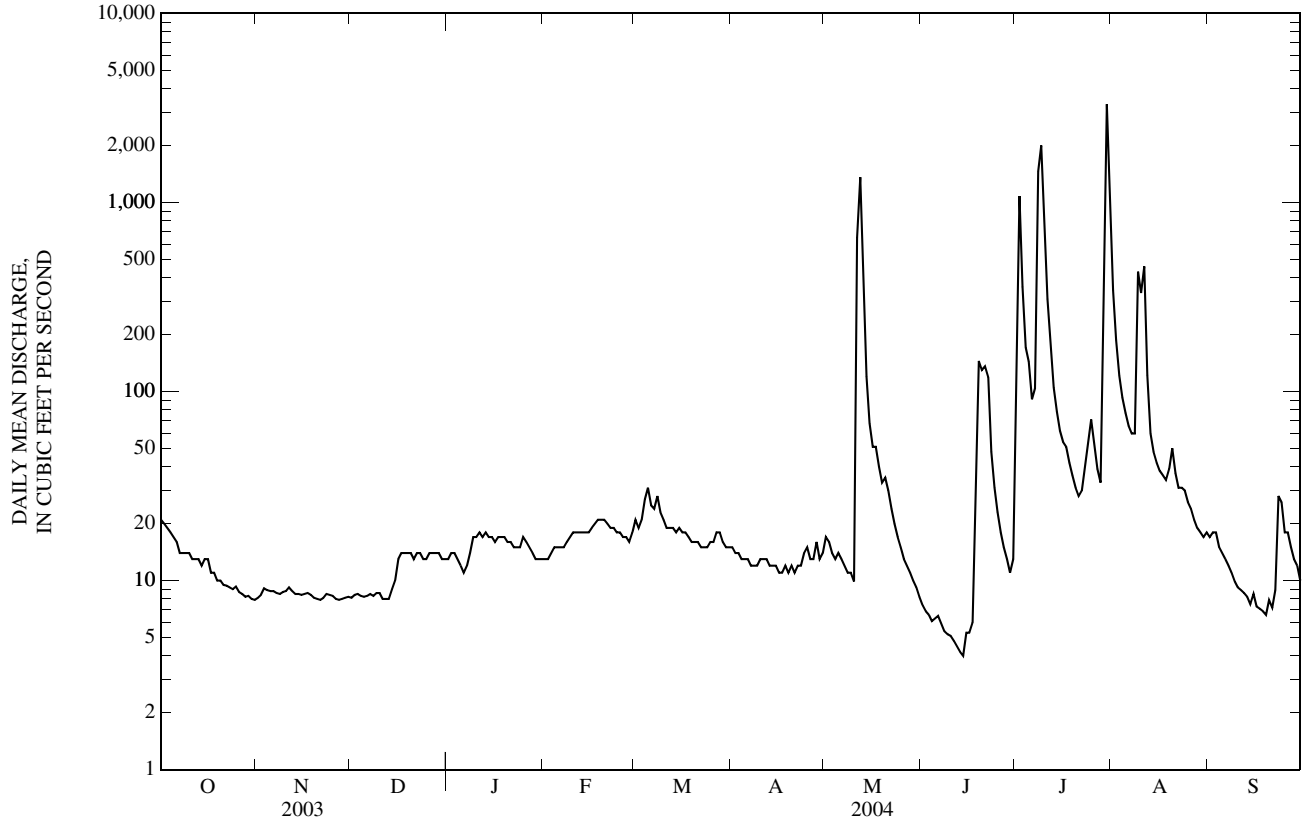
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	97.7	52.7	37.2	37.6	71.2	136	162	211	369	355	235	171
MAX	1,774	455	276	349	716	1,094	1,970	1,624	4,415	3,716	3,157	1,519
(WY)	(1947)	(1997)	(1974)	(1974)	(1949)	(1979)	(1987)	(1951)	(1951)	(1993)	(1950)	(1951)
MIN	0.78	2.27	2.00	1.65	4.83	8.83	5.50	5.29	10.3	1.85	0.57	0.34
(WY)	(1984)	(1940)	(1940)	(1940)	(1940)	(1992)	(1940)	(1989)	(1983)	(1983)	(1983)	(1983)

06864050 SMOKY HILL RIVER NEAR BUNKER HILL, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL MEAN	43.4		62.2		162	
HIGHEST ANNUAL MEAN					1,004	1951
LOWEST ANNUAL MEAN					11.4	1983
HIGHEST DAILY MEAN	2,640	Sep 12	3,310	Jul 30	28,400	Jul 22, 1993
LOWEST DAILY MEAN	1.9	Aug 17	4.0	Jun 14	0.00	Jan 29, 1940
ANNUAL SEVEN-DAY MINIMUM	2.2	Aug 12	4.7	Jun 9	0.00	Sep 11, 1955
MAXIMUM PEAK FLOW			3,900	Jul 30	39,500	May 23, 1951
MAXIMUM PEAK STAGE			10.65	Jul 30	27.14	Jul 22, 1993
INSTANTANEOUS LOW FLOW			3.7	Jun 14	0.00	at times
ANNUAL RUNOFF (AC-FT)	31,390		45,150		117,100	
10 PERCENT EXCEEDS	59		67		263	
50 PERCENT EXCEEDS	20		14		35	
90 PERCENT EXCEEDS	4.9		8.1		7.5	

e Estimated



06864500 SMOKY HILL RIVER AT ELLSWORTH, KS

LOCATION.--Lat 38°43'36", long 98°14'00", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.15 S., R.8 W., Ellsworth County, Hydrologic Unit 10260006, on left bank at downstream side of bridge on Kansas Highway 14 in Ellsworth, 2.0 mi downstream from Turkey Creek, and at mile 213.7.

DRAINAGE AREA.--7,580 mi^2, approximately.

PERIOD OF RECORD.--April 1895 to October 1905, July 1918 to July 1925, August 1928 to current year.

REVISED RECORDS.--WSP 796-B: 1903. WSP 806: Drainage area. WSP 1176: 1923. WSP 1440: 1895-1905, 1919, 1921, 1929-30(M), 1936-37(M).

GAGE.--Water-stage recorder. Datum of gage is 1,509.02 ft above NGVD of 1929. Prior to Oct. 31, 1905, nonrecording gage at present site at datum 1.61 ft higher. July 23, 1918, to July 4, 1925, and Aug. 1, 1928, to Nov. 29, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow moderately regulated since 1950 by Cedar Bluff Reservoir (station 06861500), 120 mi upstream. Natural flow also affected by ground-water withdrawals, diversions for irrigation, and return flow from irrigated areas. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1927 reached a stage of 25.7 ft, from floodmarks, discharge, 44,800 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	18	18	25	e23	40	32	e34	21	57	719	38
2	34	19	18	25	e23	36	30	e30	19	248	413	37
3	33	22	18	24	e24	38	29	e27	18	738	279	e35
4	32	31	18	24	e24	112	29	28	18	359	208	e33
5	31	23	18	23	e25	274	28	26	30	262	162	e38
6	30	20	17	e22	e25	86	28	e24	22	195	137	e34
7	29	19	19	e22	e25	57	27	e24	18	161	121	e27
8	30	19	19	e23	e26	47	27	24	17	240	105	e24
9	28	19	19	e23	e26	44	28	42	16	1,430	302	23
10	28	19	e18	e26	e26	43	28	34	16	1,480	509	22
11	28	19	e17	e27	e27	40	27	29	15	661	470	20
12	26	19	e16	e28	e27	37	26	416	15	374	518	20
13	26	18	e16	e29	e27	36	27	787	14	242	342	19
14	25	18	e16	e30	e27	35	27	354	13	168	174	18
15	25	19	e17	31	e28	35	26	194	15	133	121	19
16	24	18	e18	35	e30	35	25	120	15	107	98	19
17	24	18	e19	33	e35	34	25	90	15	93	84	19
18	24	18	e21	30	e40	33	24	77	233	82	74	19
19	23	18	e23	27	e47	32	24	73	156	73	75	18
20	23	18	e24	27	e47	32	28	59	125	67	71	16
21	22	18	e25	30	45	31	25	53	150	62	132	15
22	21	18	e27	29	40	30	29	50	128	59	101	24
23	21	18	e28	28	38	29	31	46	195	61	76	102
24	21	18	28	28	36	29	31	42	126	72	65	56
25	20	20	28	e27	35	29	31	38	93	64	62	38
26	20	19	27	e26	33	28	29	35	74	76	56	32
27	20	19	26	e25	34	42	28	32	58	76	52	27
28	20	18	25	e25	32	91	27	30	53	65	48	25
29	19	18	25	e24	36	59	27	27	45	80	45	24
30	19	18	25	e24	---	41	e38	26	46	731	42	23
31	18	---	26	e23	---	34	---	23	---	2,130	40	---
MEAN	25.1	19.2	21.3	26.5	31.4	50.6	28.0	93.4	59.3	343	184	28.8
MAX	35	31	28	35	47	274	38	787	233	2,130	719	102
MIN	18	18	16	22	23	28	24	23	13	57	40	15
AC-FT	1,550	1,140	1,310	1,630	1,810	3,110	1,670	5,740	3,530	21,120	11,310	1,710

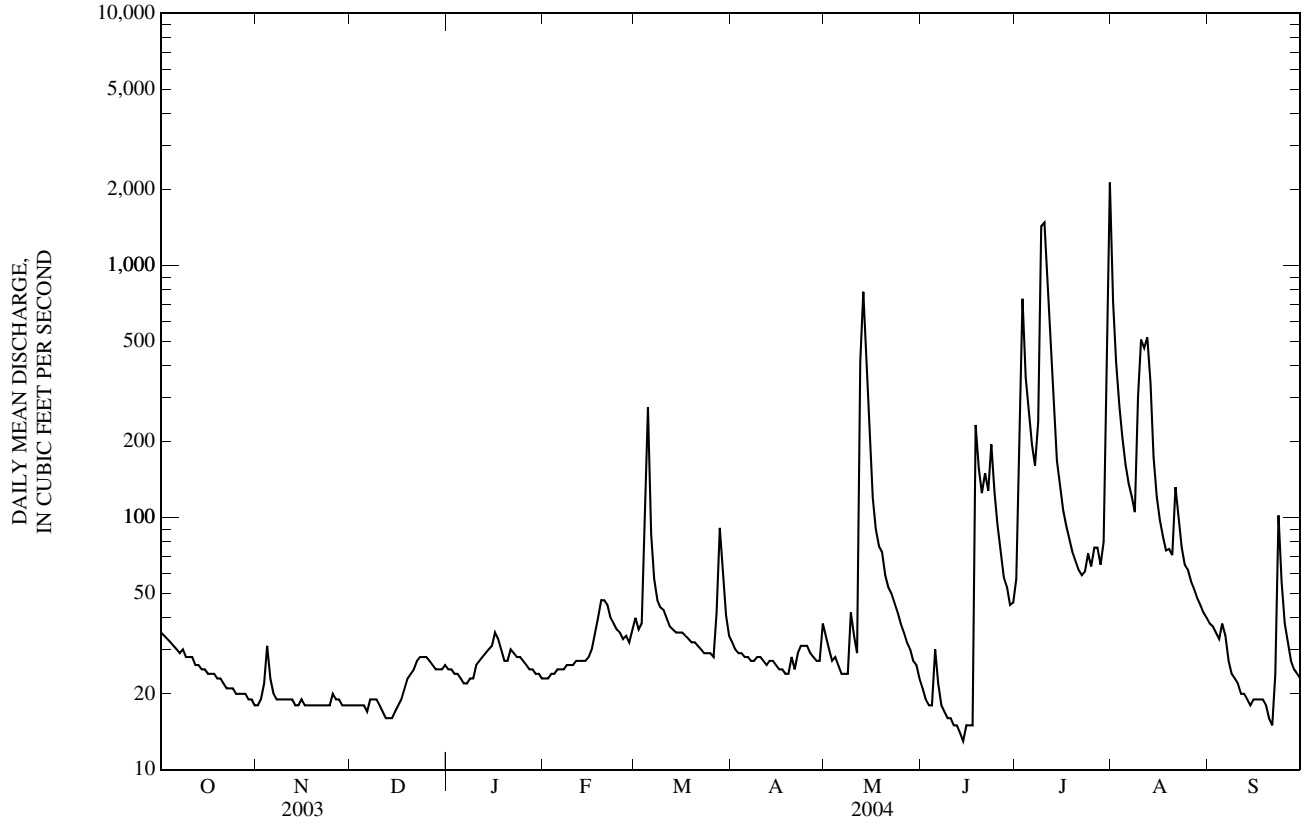
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 2004, BY WATER YEAR (WY)

MEAN	150	85.1	57.7	56.6	90.7	176	225	382	560	473	311	257
MAX	1,769	662	598	662	1,099	2,039	2,709	2,700	6,270	5,846	3,300	2,144
(WY)	(1947)	(1997)	(1974)	(1974)	(1993)	(1973)	(1987)	(1903)	(1951)	(1993)	(1950)	(1951)
MIN	5.06	9.30	7.94	4.32	5.29	16.4	11.0	11.4	24.2	5.10	4.16	1.68
(WY)	(1922)	(1989)	(1899)	(1937)	(1899)	(1935)	(1923)	(1899)	(1988)	(1901)	(1983)	(1956)

06864500 SMOKY HILL RIVER AT ELLSWORTH, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1896 - 2004	
ANNUAL MEAN	68.0		76.6		236	
HIGHEST ANNUAL MEAN					1,377	1951
LOWEST ANNUAL MEAN					29.1	1983
HIGHEST DAILY MEAN	1,920	Sep 13	2,130	Jul 31	41,800	Jun 1, 1938
LOWEST DAILY MEAN	5.1	Aug 17	13	Jun 14	0.60	Sep 28, 1956
ANNUAL SEVEN-DAY MINIMUM	5.6	Aug 12	15	Jun 11	1.0	Sep 25, 1956
MAXIMUM PEAK FLOW			2,960	Jul 31	61,000	Jun 1, 1938
MAXIMUM PEAK STAGE			9.14	Jul 31	27.20	Jun 1, 1938
INSTANTANEOUS LOW FLOW			11	Nov 24	0.00	Sep 28, 1956
ANNUAL RUNOFF (AC-FT)	49,250		55,620		170,900	
10 PERCENT EXCEEDS	125		134		410	
50 PERCENT EXCEEDS	33		28		60	
90 PERCENT EXCEEDS	12		18		16	

e Estimated



06865000 KANOPOLIS LAKE NEAR KANOPOLIS, KS

LOCATION.--Lat 38°36'25", long 97°58'00", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.3, T.17 S., R.6 W., Ellsworth County, Hydrologic Unit 10260006, in control tower at dam on Smoky Hill River, 12 mi southeast of Kanopolis, 25 mi southwest of Salina, and at mile 183.7.

DRAINAGE AREA.--7,857 mi^2.

PERIOD OF RECORD.--February 1948 to current year (monthly records only prior to October 1956). Prior to October 1971, published as "Kanopolis Reservoir."

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

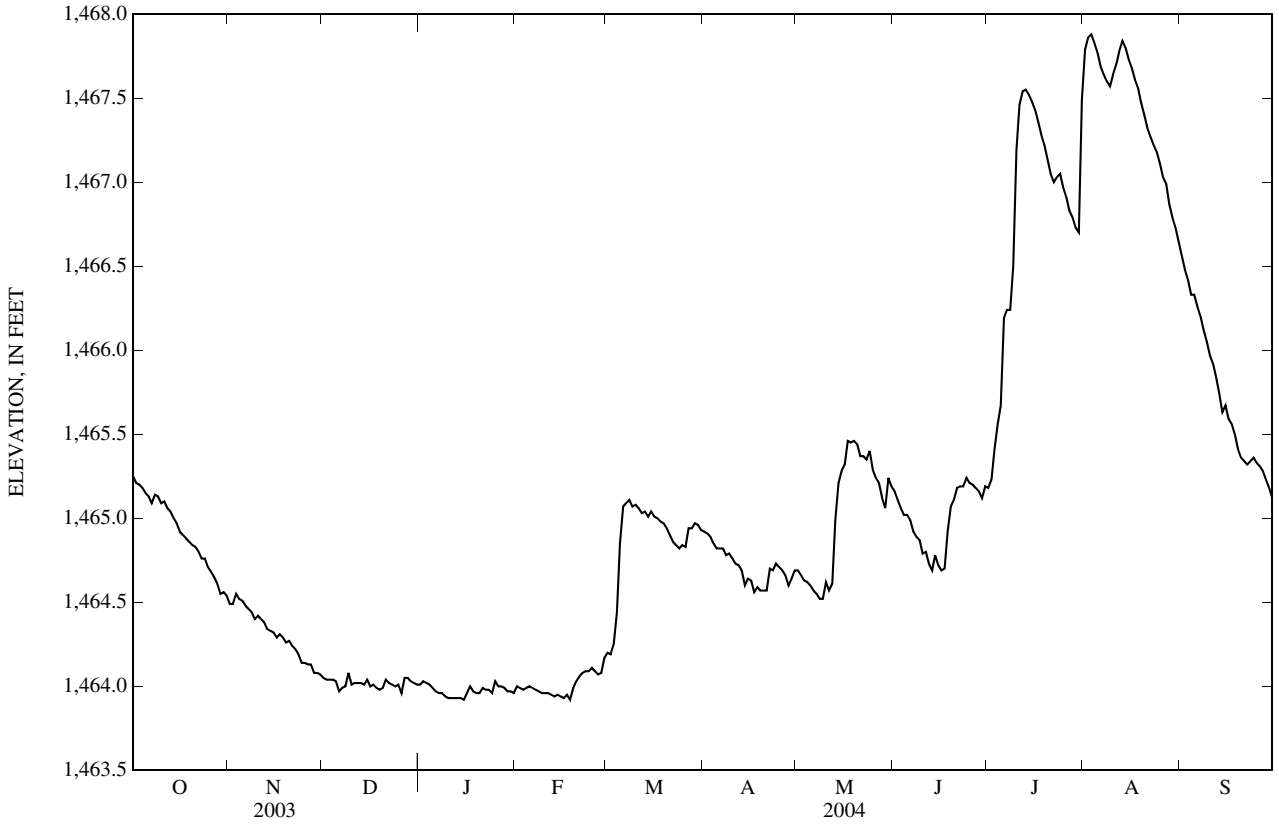
REMARKS.--Reservoir is formed by earthfill dam. Storage began Feb. 17, 1948, and dam was completed in same year. Current conservation pool elevation first reached July 1948. Capacity, 425,700 acre-ft between elevations 1,415 ft, sill of outlet gage, and 1,508 ft. Crest of uncontrolled spillway is at elevation 1,507 ft. Storage capacity of 356,700 acre-ft above elevation 1,463 ft is provided for flood control. Storage capacity of 55,200 acre-ft below elevation 1,463 ft is provided for conservation and recreation. Inflow partly regulated by Cedar Bluff Reservoir (station 06861500). Figures given herein represent total contents. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,506.98 ft, July 14, 1951, contents, 435,100 acre-ft; minimum elevation since conservation pool was first filled, 1,453.50 ft, Sept. 30, 1988, contents, 29,870 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,467.89 ft, Aug. 3, contents, 75,620 acre-ft; minimum elevation, 1,463.92 ft, Jan. 10, contents, 59,130 acre-ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on survey made in 1971 by U.S. Army Corps of Engineers and revised in 1982)

Elevation	Contents	Elevation	Contents	Elevation	Contents
1,460	45,990	1,465	63,280	1,470	85,690



06865000 KANOPOLIS LAKE NEAR KANOPOLIS, KS—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,465.25	1,464.49	1,464.05	1,464.01	1,464.00	1,464.20	1,464.92	1,464.69	1,465.16	1,465.18	1,467.79	1,466.57
2	1,465.21	1,464.49	1,464.04	1,464.03	1,463.99	1,464.19	1,464.91	1,464.66	1,465.11	1,465.23	1,467.86	1,466.48
3	1,465.20	1,464.55	1,464.04	1,464.02	1,463.98	1,464.25	1,464.89	1,464.63	1,465.06	1,465.41	1,467.88	1,466.42
4	1,465.18	1,464.52	1,464.04	1,464.01	1,463.99	1,464.44	1,464.85	1,464.62	1,465.02	1,465.56	1,467.83	1,466.33
5	1,465.15	1,464.51	1,464.03	1,463.99	1,464.00	1,464.85	1,464.82	1,464.60	1,465.02	1,465.67	1,467.77	1,466.33
6	1,465.13	1,464.48	1,463.97	1,463.97	1,463.99	1,465.07	1,464.82	1,464.57	1,464.99	1,466.19	1,467.69	1,466.26
7	1,465.09	1,464.46	1,463.99	1,463.96	1,463.98	1,465.09	1,464.82	1,464.55	1,464.92	1,466.24	1,467.64	1,466.20
8	1,465.14	1,464.44	1,464.00	1,463.96	1,463.97	1,465.11	1,464.78	1,464.52	1,464.89	1,466.24	1,467.60	1,466.12
9	1,465.13	1,464.40	1,464.08	1,463.94	1,463.96	1,465.07	1,464.79	1,464.52	1,464.87	1,466.50	1,467.57	1,466.05
10	1,465.09	1,464.42	1,464.01	1,463.93	1,463.96	1,465.08	1,464.76	1,464.62	1,464.79	1,467.19	1,467.64	1,465.97
11	1,465.10	1,464.40	1,464.02	1,463.93	1,463.96	1,465.06	1,464.73	1,464.57	1,464.80	1,467.46	1,467.70	1,465.92
12	1,465.06	1,464.38	1,464.02	1,463.93	1,463.95	1,465.03	1,464.72	1,464.61	1,464.73	1,467.54	1,467.78	1,465.84
13	1,465.04	1,464.34	1,464.02	1,463.93	1,463.94	1,465.04	1,464.69	1,464.99	1,464.69	1,467.55	1,467.84	1,465.74
14	1,465.00	1,464.33	1,464.01	1,463.93	1,463.95	1,465.01	1,464.60	1,465.21	1,464.78	1,467.52	1,467.80	1,465.63
15	1,464.97	1,464.32	1,464.04	1,463.92	1,463.94	1,465.04	1,464.64	1,465.28	1,464.72	1,467.48	1,467.73	1,465.67
16	1,464.92	1,464.29	1,464.00	1,463.96	1,463.93	1,465.01	1,464.63	1,465.32	1,464.69	1,467.43	1,467.68	1,465.59
17	1,464.90	1,464.31	1,464.01	1,464.00	1,463.95	1,465.00	1,464.56	1,465.46	1,464.70	1,467.36	1,467.61	1,465.56
18	1,464.88	1,464.29	1,463.99	1,463.97	1,463.92	1,464.98	1,464.59	1,465.45	1,464.92	1,467.28	1,467.56	1,465.50
19	1,464.86	1,464.26	1,463.98	1,463.96	1,463.99	1,464.97	1,464.57	1,465.46	1,465.07	1,467.22	1,467.47	1,465.41
20	1,464.84	1,464.27	1,463.99	1,463.96	1,464.03	1,464.94	1,464.57	1,465.44	1,465.11	1,467.13	1,467.40	1,465.36
21	1,464.83	1,464.24	1,464.04	1,463.99	1,464.06	1,464.90	1,464.57	1,465.37	1,465.18	1,467.05	1,467.32	1,465.34
22	1,464.80	1,464.22	1,464.02	1,463.98	1,464.08	1,464.86	1,464.70	1,465.37	1,465.19	1,467.00	1,467.27	1,465.32
23	1,464.76	1,464.19	1,464.01	1,463.98	1,464.09	1,464.84	1,464.69	1,465.35	1,465.19	1,467.03	1,467.22	1,465.34
24	1,464.76	1,464.14	1,464.00	1,463.96	1,464.09	1,464.82	1,464.73	1,465.40	1,465.24	1,467.05	1,467.18	1,465.36
25	1,464.71	1,464.14	1,464.01	1,464.03	1,464.11	1,464.84	1,464.71	1,465.29	1,465.21	1,466.97	1,467.11	1,465.33
26	1,464.68	1,464.13	1,463.96	1,464.00	1,464.09	1,464.83	1,464.69	1,465.24	1,465.20	1,466.91	1,467.03	1,465.31
27	1,464.65	1,464.13	1,464.05	1,464.00	1,464.07	1,464.94	1,464.66	1,465.21	1,465.18	1,466.83	1,466.99	1,465.28
28	1,464.61	1,464.08	1,464.05	1,463.99	1,464.08	1,464.94	1,464.60	1,465.12	1,465.16	1,466.79	1,466.87	1,465.23
29	1,464.55	1,464.08	1,464.03	1,463.97	1,464.17	1,464.97	1,464.64	1,465.06	1,465.12	1,466.73	1,466.79	1,465.18
30	1,464.56	1,464.07	1,464.02	1,463.97	---	1,464.96	1,464.69	1,465.24	1,465.19	1,466.70	1,466.73	1,465.12
31	1,464.54	---	1,464.01	1,463.96	---	1,464.93	---	1,465.19	---	1,467.49	1,466.65	---
MEAN	1,464.92	1,464.31	1,464.02	1,463.97	1,464.01	1,464.88	1,464.71	1,465.02	1,465.00	1,466.77	1,467.45	1,465.72
MAX	1,465.25	1,464.55	1,464.08	1,464.03	1,464.17	1,465.11	1,464.92	1,465.46	1,465.24	1,467.55	1,467.88	1,466.57
MIN	1,464.54	1,464.07	1,463.96	1,463.92	1,463.92	1,464.19	1,464.56	1,464.52	1,464.69	1,465.18	1,466.65	1,465.12
(+)	61,480	59,690	59,460	59,280	60,070	63,010	62,060	64,040	64,040	73,810	70,120	63,760
(#)	-2,920	-1,790	-230	-180	+790	+2,940	-950	+1,980	0	+9,770	-3,690	-6,360

CAL YR 2003 ..... (#) -800
WTR YR 2004 ..... (#) -640

+ CONTENTS, IN ACRE-FEET, AT END OF MONTH.
# CHANGE IN CONTENTS, IN ACRE-FEET.

06865500 SMOKY HILL RIVER NEAR LANGLEY, KS

LOCATION.--Lat 38°36'41", long 97°57'09", in SW ¼ SW ¼ SE ¼ sec.35, T.16 S., R.6 W., Ellsworth County, Hydrologic Unit 10260008, on left bank at downstream side of county highway bridge, 0.8 mi downstream from Kanopolis Dam, 5.0 mi north of Langley, and at mile 182.9.

DRAINAGE AREA.--7,857 mi^2.

PERIOD OF RECORD.--October 1940 to current year.

REVISED RECORDS.--WSP 1310: 1942(M).

GAGE.--Water-stage recorder. Datum of gage is 1,395.66 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Apr. 1, 1952, water-stage recorder at datum 7.00 ft higher. Apr. 1, 1952, to Oct. 1, 1973, water-stage recorder at datum 5.00 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow completely regulated since 1948 by Kanopolis Lake (station 06865000), 0.8 mi upstream. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1938 reached a stage of 33.9 ft, present datum, from information by U.S. Army Corps of Engineers, discharge, about 45,000 ft^3/s by extension of subsequent rating curve above 16,000 ft^3/s and correlation of peak flow at adjacent stations.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	36	26	29	28	33	62	52	72	71	213	162
2	77	36	26	30	28	33	e61	51	70	70	230	156
3	76	35	27	29	28	35	e62	49	68	73	234	151
4	75	37	27	29	28	42	e62	48	66	81	233	147
5	74	36	27	29	27	58	e62	48	65	87	230	145
6	73	35	26	e27	26	64	e62	e48	65	115	226	143
7	72	35	27	28	27	66	e62	48	63	123	220	139
8	72	34	27	26	27	66	62	46	60	115	214	134
9	74	33	29	26	26	65	63	46	59	116	214	130
10	71	33	29	26	26	64	63	47	58	147	216	125
11	71	33	28	26	25	64	63	48	57	181	227	121
12	69	34	28	26	25	63	62	48	56	193	234	117
13	67	33	28	27	25	63	64	54	54	197	248	113
14	66	31	28	27	25	63	e65	65	53	197	251	108
15	64	31	28	27	25	64	e60	70	e53	193	248	107
16	62	31	28	27	25	62	59	71	e53	188	242	103
17	60	31	28	28	24	62	57	77	e53	185	237	101
18	59	31	28	28	25	61	54	78	64	179	230	99
19	57	31	28	28	26	60	54	78	66	172	226	95
20	57	30	28	28	27	60	50	78	68	166	220	90
21	56	30	28	29	28	59	48	77	70	160	213	88
22	54	30	28	29	29	58	51	76	71	156	209	86
23	53	30	29	29	29	58	53	76	71	157	205	88
24	51	28	29	29	30	57	53	76	72	160	202	88
25	49	28	29	30	30	57	52	75	72	157	198	87
26	48	27	29	32	30	57	51	74	71	152	192	85
27	45	27	29	e31	30	61	50	73	70	146	187	84
28	43	27	30	30	30	64	48	72	70	142	180	82
29	40	27	30	29	31	63	48	68	68	141	176	80
30	39	27	29	29	---	63	50	75	69	139	171	76
31	38	---	29	28	---	62	---	75	---	159	166	---
MEAN	61.0	31.6	28.1	28.3	27.2	58.3	57.1	63.5	64.2	146	216	111
MAX	79	37	30	32	31	66	65	78	72	197	251	162
MIN	38	27	26	26	24	33	48	46	53	70	166	76
AC-FT	3,750	1,880	1,730	1,740	1,570	3,580	3,400	3,900	3,820	8,960	13,270	6,610

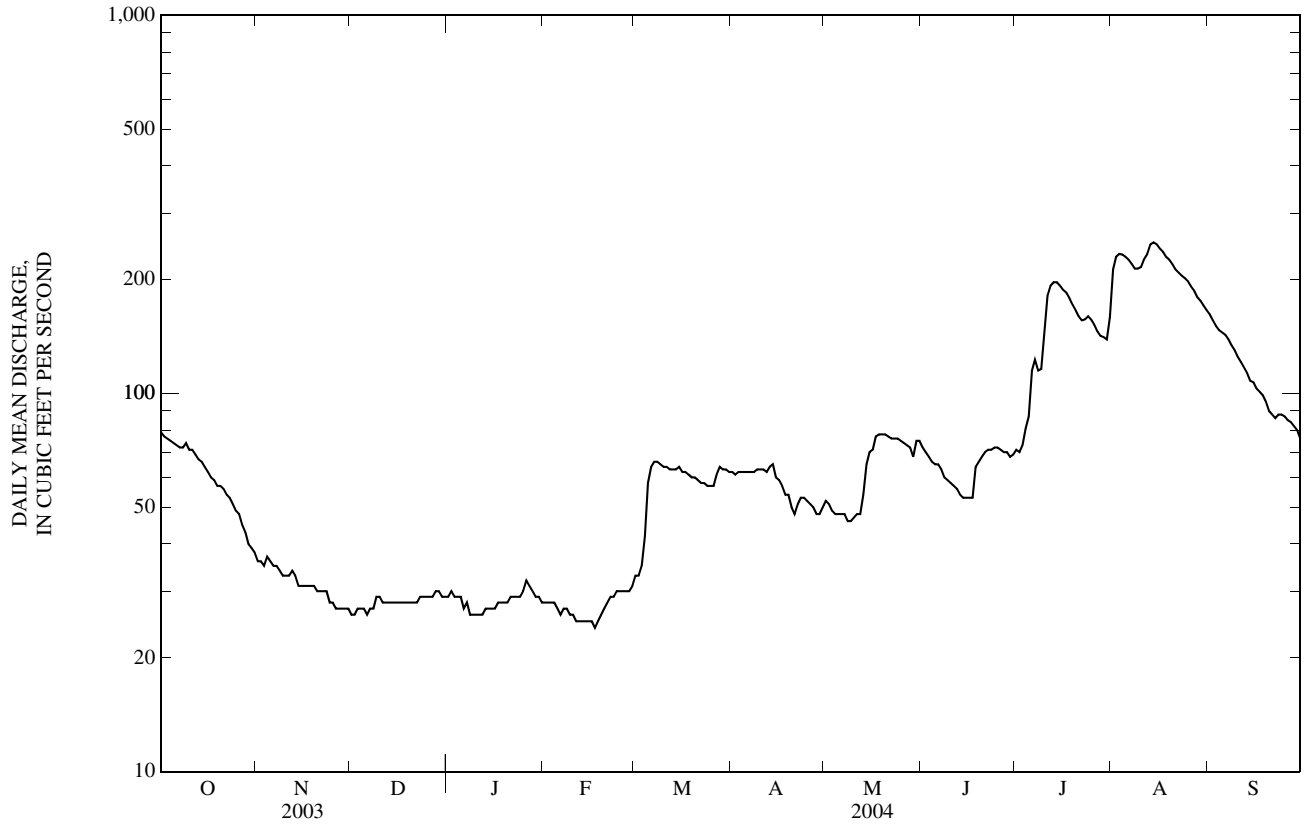
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2004, BY WATER YEAR (WY)

MEAN	302	155	123	71.0	130	172	314	361	558	457	460	375
MAX	3,004	2,139	1,682	428	1,254	1,341	2,310	2,639	2,932	3,660	3,716	3,376
(WY)	(1952)	(1974)	(1974)	(1974)	(1993)	(1973)	(1960)	(1987)	(1995)	(1951)	(1993)	(1951)
MIN	11.7	12.8	8.62	7.65	6.96	5.84	8.47	8.79	14.7	21.9	22.0	16.4
(WY)	(1948)	(1992)	(1992)	(1992)	(1992)	(1989)	(1989)	(1989)	(1989)	(1989)	(1943)	(1980)

06865500 SMOKY HILL RIVER NEAR LANGLEY, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1941 - 2004	
ANNUAL MEAN	76.7		74.7		290	
HIGHEST ANNUAL MEAN					1,392	1951
LOWEST ANNUAL MEAN					23.6	1989
HIGHEST DAILY MEAN	191	Jun 11	251	Aug 14	16,300	Oct 20, 1941
LOWEST DAILY MEAN	26	Dec 1	24	Feb 17	0.40	Jan 23, 1948
ANNUAL SEVEN-DAY MINIMUM	27	Nov 30	25	Feb 11	0.59	Jan 20, 1948
MAXIMUM PEAK FLOW			253	Aug 14	21,800	Oct 20, 1941
MAXIMUM PEAK STAGE			4.73	Aug 14	32.20	Oct 20, 1941
INSTANTANEOUS LOW FLOW			20	Jan 27	0.40	Jan 23, 1948
ANNUAL RUNOFF (AC-FT)	55,510		54,210		210,400	
10 PERCENT EXCEEDS	159		177		737	
50 PERCENT EXCEEDS	54		60		77	
90 PERCENT EXCEEDS	29		27		24	

e Estimated



06866500 SMOKY HILL RIVER NEAR MENTOR, KS

LOCATION.--Lat 38°42'40", long 97°34'17", in NW ¼ NE ¼ NW ¼ sec.32, T.15 S., R.2 W., Saline County, Hydrologic Unit 10260008, on right bank at upstream side of State highway bridge, 2.0 mi southeast of Mentor, and at mile 114.0.

DRAINAGE AREA.--8,340 mi^2.

PERIOD OF RECORD.--December 1923 to October 1930, May 1931 to June 1932, October 1947 to current year. Published as "near Salina" 1948-49.

REVISED RECORDS.--WSP 1440: 1924, 1927-28, 1929(M), 1932(M). WSP 1919: 1960.

GAGE.--Water-stage recorder. Elevation of gage is 1,240.11 ft above NGVD of 1929. Prior to June 30, 1932, nonrecording gage at site 10 mi upstream at datum 20.9 ft higher. Oct. 1, 1947, to Sept. 18, 1948, nonrecording gage, and Sept. 19, 1948, to June 26, 1959, water-stage recorder at site 0.3 mi west on former channel, at present datum. June 27, 1959, to Sept. 8, 1959, nonrecording gage at present site and datum. Sept. 9, 1959, to Mar. 6, 2002, water-stage recorder at site 11.8 mi downstream at different datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Considerable regulation since 1948 by Kanopolis Lake (station 06865000), 82.0 mi upstream. Diversions upstream from station for irrigation. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Greatest known flood at Salina, 7.5 mi downstream occurred in 1844; second greatest known flood, May 29, 1903, reached a stage of 26.5 ft near Mentor, from floodmarks, site and datum of 1923-32.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	49	42	37	e36	49	112	108	74	334	131	128
2	70	50	41	37	e35	50	103	123	71	368	127	124
3	68	51	41	39	e34	54	97	106	68	112	145	119
4	66	52	43	e32	e34	192	93	88	67	85	157	119
5	65	51	42	e29	e34	2,630	91	79	64	91	163	116
6	64	49	40	30	e34	1,330	90	74	63	201	164	117
7	64	50	40	30	e32	461	89	70	62	175	166	117
8	65	51	42	32	e32	216	87	67	60	192	168	115
9	381	51	71	34	e34	167	85	64	58	359	173	110
10	847	52	51	37	e36	148	85	70	59	148	179	109
11	170	52	39	42	e38	135	84	79	58	122	178	103
12	104	50	39	43	e38	125	83	77	55	124	169	101
13	84	47	39	42	e38	119	81	75	51	145	171	97
14	77	46	44	46	e39	117	79	79	48	156	169	97
15	72	48	46	47	e38	116	80	82	49	156	164	102
16	70	50	51	59	e40	116	80	84	47	149	174	101
17	67	51	51	56	e46	112	76	359	50	150	177	109
18	67	53	52	46	55	110	74	643	135	149	175	104
19	67	50	49	42	68	105	74	383	213	148	173	93
20	66	48	49	37	97	102	74	176	190	146	173	89
21	64	48	51	46	91	98	75	123	125	139	174	88
22	62	47	55	62	68	94	78	102	103	128	167	88
23	61	46	e46	93	53	94	79	93	85	133	159	91
24	61	44	e46	46	47	93	94	87	78	503	154	92
25	59	44	e50	46	44	92	107	81	70	950	151	89
26	58	45	43	50	43	91	101	79	65	313	144	85
27	58	45	45	44	44	96	92	79	63	194	142	85
28	59	44	43	41	44	120	81	76	62	165	138	84
29	56	43	41	37	44	280	74	73	58	155	132	83
30	54	43	39	e36	---	175	84	83	58	147	129	81
31	52	---	38	e36	---	129	---	79	---	140	128	---
MEAN	105	48.3	45.5	43.0	45.4	252	86.1	124	77.0	209	159	101
MAX	847	53	71	93	97	2,630	112	643	213	950	179	128
MIN	52	43	38	29	32	49	74	64	47	85	127	81
AC-FT	6,440	2,880	2,790	2,650	2,610	15,500	5,120	7,620	4,580	12,850	9,750	6,020

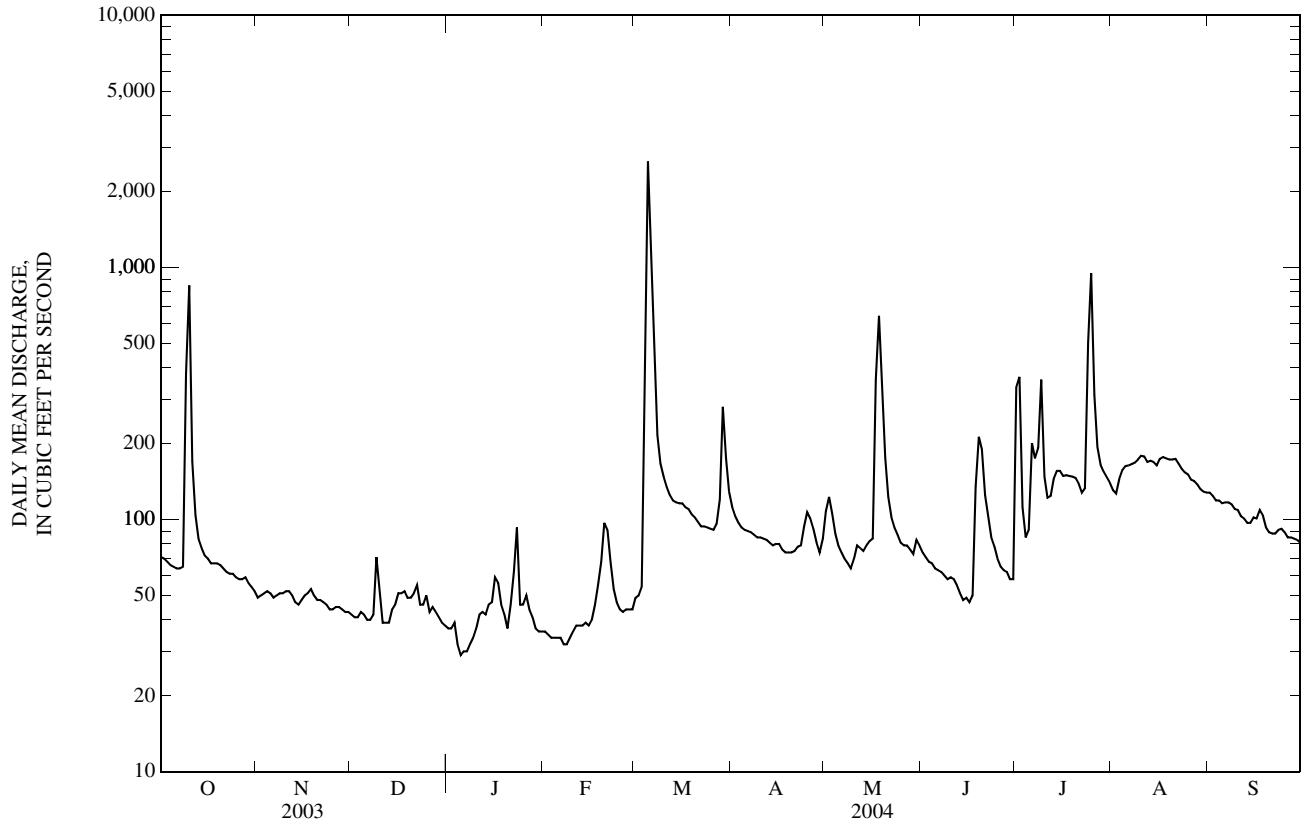
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2004, BY WATER YEAR (WY)

MEAN	349	216	167	121	200	312	389	496	693	581	594	442
MAX	3,093	2,063	1,942	621	1,459	2,671	2,756	2,873	3,590	5,417	4,226	3,414
(WY)	(1952)	(1974)	(1974)	(1974)	(1993)	(1973)	(1973)	(1987)	(1995)	(1951)	(1993)	(1951)
MIN	20.5	22.1	13.0	14.3	20.3	16.0	17.1	22.2	52.5	27.9	12.6	35.5
(WY)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)	(1989)	(1992)	(1988)	(1968)	(1989)	(1991)

06866500 SMOKY HILL RIVER NEAR MENTOR, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1925 - 2004	
ANNUAL MEAN	115		109		385	
HIGHEST ANNUAL MEAN					1,781	1993
LOWEST ANNUAL MEAN					35.6	1989
HIGHEST DAILY MEAN	1,920	Mar 20	2,630	Mar 5	18,500	Jul 13, 1951
LOWEST DAILY MEAN	21	Aug 22	29	Jan 5	1.4	Aug 10, 1989
ANNUAL SEVEN-DAY MINIMUM	25	Aug 18	32	Jan 4	2.3	Aug 8, 1989
MAXIMUM PEAK FLOW			3,440	Mar 5	25,500	Aug 17, 1927
MAXIMUM PEAK STAGE			15.20	Mar 5	26.20	Aug 17, 1927
INSTANTANEOUS LOW FLOW			24	Jan 5	1.0	Aug 10, 1989
ANNUAL RUNOFF (AC-FT)	83,290		78,810		279,100	
10 PERCENT EXCEEDS	194		169		983	
50 PERCENT EXCEEDS	61		76		127	
90 PERCENT EXCEEDS	38		40		40	

e Estimated



06866900 SALINE RIVER NEAR WAKEENEY, KS

LOCATION.--Lat 39°06'22", long 99°52'11", in NW ¼ SW ¼ SW ¼ sec.10, T.11 S., R.23 W., Trego County, Hydrologic Unit 10260009, on left bank at downstream side of bridge on U.S. Highway 283, 1 mi upstream from Trego Creek, and 5 mi north of WaKeeney.

DRAINAGE AREA.--696 mi.

PERIOD OF RECORD.--October 1955 to September 1966, October 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 2,217.46 ft above NGVD of 1929. Oct. 1, 1955, to May 22, 1958, wire-weight and crest-stage gages and May 23, 1958, to Sept. 30, 1966, water-stage recorder at same site and datum.

REMARKS.--Records fair except those for discharges less than 5 ft^3/s and those for estimated daily discharges, which are poor. Natural flow affected by ground-water withdrawals, diversion for irrigation, and return flow from irrigated areas. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1879, about 27 ft in July 1950, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.25	e0.05	0.56	0.00	0.10	0.00	513	0.13	0.00
2	0.00	0.00	0.00	0.29	e0.05	0.36	0.00	0.09	0.00	71	0.07	0.00
3	0.00	0.00	0.00	e0.24	e0.05	0.36	0.00	0.05	0.00	22	0.04	0.00
4	0.00	0.00	0.00	e0.15	e0.05	0.41	0.00	0.03	0.00	11	0.02	0.00
5	0.00	0.00	0.00	e0.06	e0.05	0.47	0.01	0.02	0.00	6.0	0.03	0.00
6	0.00	0.00	0.00	e0.03	e0.04	0.30	0.01	0.00	0.00	14	0.03	0.00
7	0.00	0.00	0.00	e0.01	e0.03	0.18	0.02	0.00	0.00	8.1	0.06	0.00
8	0.00	0.00	0.00	e0.01	e0.04	0.11	0.03	0.00	0.00	4.1	0.19	0.00
9	0.00	0.00	0.00	e0.05	e0.05	0.05	0.04	0.00	0.00	2.7	0.03	0.00
10	0.00	0.00	0.00	e0.10	e0.05	0.04	0.09	0.00	0.00	1.8	0.15	0.00
11	0.00	0.00	0.00	e0.20	e0.05	0.03	0.14	0.00	0.00	1.3	0.65	0.00
12	0.00	0.00	0.00	0.25	e0.06	0.04	0.15	0.00	0.00	0.91	0.33	0.00
13	0.00	0.00	0.00	0.29	e0.07	0.02	0.16	0.02	0.00	0.66	0.13	0.00
14	0.00	0.00	0.00	0.34	e0.10	0.02	0.16	0.00	0.00	0.54	0.08	0.00
15	0.00	0.00	0.00	0.37	e0.14	0.01	0.12	0.00	0.00	0.49	0.05	0.00
16	0.00	0.00	0.02	0.42	e0.22	0.00	0.09	0.00	0.00	0.41	0.03	0.00
17	0.00	0.00	0.04	0.41	e0.34	0.00	0.07	0.00	0.00	0.36	0.01	0.00
18	0.00	0.00	0.06	e0.30	0.45	0.00	0.07	0.00	0.66	0.43	0.06	0.00
19	0.00	0.00	0.08	e0.25	0.57	0.00	0.08	0.00	0.00	0.22	0.09	0.00
20	0.00	0.00	0.12	e0.22	0.65	0.00	0.13	0.00	0.00	0.13	0.01	0.00
21	0.00	0.00	0.14	e0.20	0.63	0.00	0.08	0.00	0.00	0.10	0.00	0.00
22	0.00	0.00	0.14	e0.20	0.64	0.00	0.13	0.00	0.00	0.10	0.00	0.00
23	0.00	0.00	0.14	e0.20	0.53	0.00	0.19	0.00	0.00	0.24	0.00	0.00
24	0.00	0.00	0.16	e0.20	0.39	0.00	0.44	0.00	0.00	0.29	0.00	0.00
25	0.00	0.00	0.19	e0.15	0.37	0.00	0.33	0.00	0.00	0.33	0.00	0.00
26	0.00	0.00	0.22	e0.10	0.37	0.00	0.21	0.00	0.00	0.24	0.00	0.00
27	0.00	0.00	0.22	e0.07	0.38	0.00	0.16	0.00	0.00	0.18	0.00	0.00
28	0.00	0.00	0.17	e0.05	0.39	0.00	0.10	0.00	0.00	0.23	0.00	0.00
29	0.00	0.00	0.15	e0.05	0.56	0.00	0.05	0.00	0.00	0.33	0.00	0.00
30	0.00	0.00	0.20	e0.05	---	0.00	0.08	0.00	0.00	0.28	0.00	0.00
31	0.00	---	0.22	e0.05	---	0.00	---	0.00	---	0.21	0.00	---
MEAN	0.00	0.00	0.07	0.18	0.25	0.10	0.10	0.01	0.02	21.3	0.07	0.00
MAX	0.00	0.00	0.22	0.42	0.65	0.56	0.44	0.10	0.66	513	0.65	0.00
MIN	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.10	0.00	0.00
AC-FT	0.00	0.00	4.5	11	15	5.9	6.2	0.6	1.3	1,310	4.3	0.00

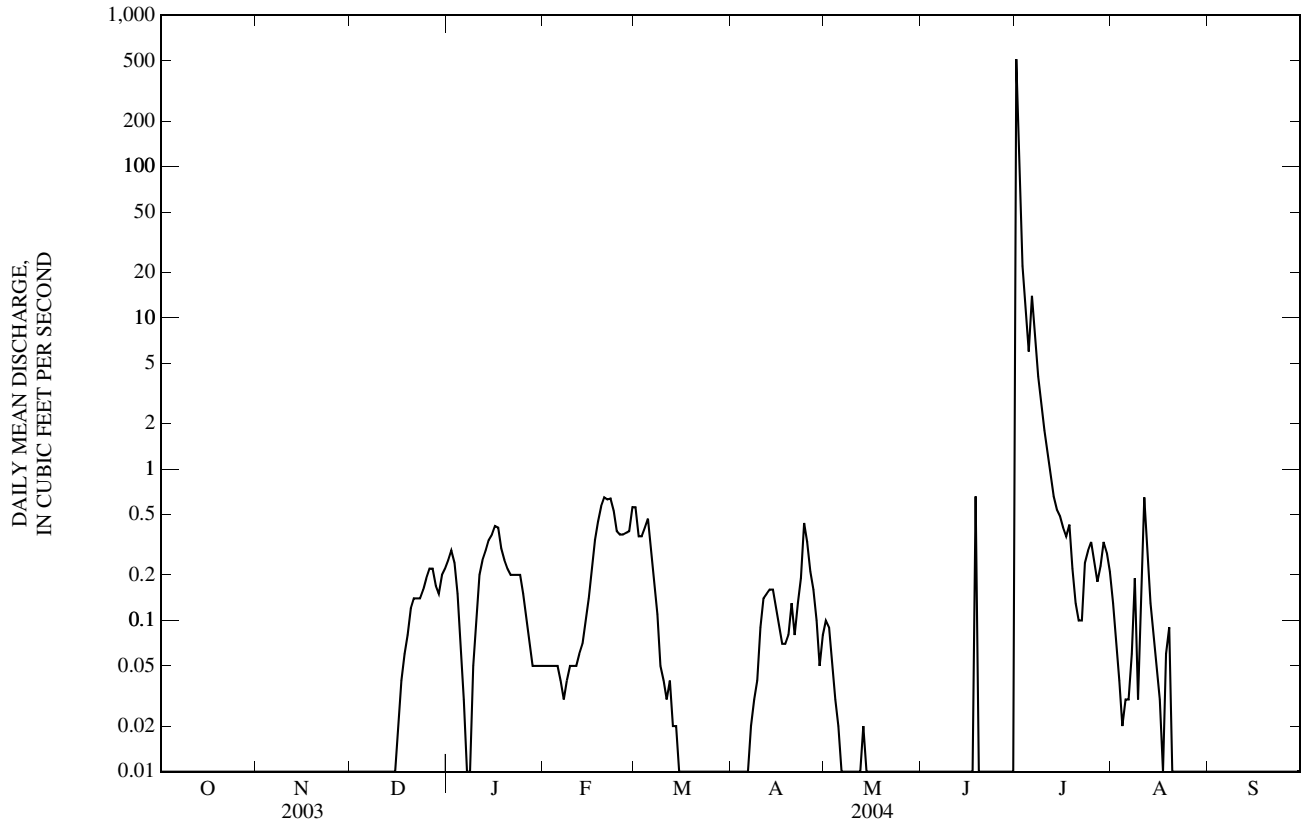
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2004, BY WATER YEAR (WY)

MEAN	10.1	4.56	4.47	4.99	9.30	18.1	11.4	39.1	39.9	47.7	26.3	14.6
MAX	180	22.6	18.6	20.1	92.1	335	53.7	359	680	441	303	104
(WY)	(1966)	(1994)	(1994)	(1962)	(1966)	(1960)	(1998)	(1995)	(1957)	(1993)	(1961)	(1993)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1991)	(1991)	(1991)	(1991)	(1966)	(1991)	(1956)

06866900 SALINE RIVER NEAR WAKEENEY, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1956 - 2004	
ANNUAL MEAN	0.53		1.87		19.3	
HIGHEST ANNUAL MEAN					98.8	1957
LOWEST ANNUAL MEAN					0.00	1991
HIGHEST DAILY MEAN	3.6	Jun 29	513	Jul 1	8,010	Jun 17, 1957
LOWEST DAILY MEAN	0.00	Jul 6	0.00	Oct 1	0.00	Oct 28, 1955
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 6	0.00	Oct 1	0.00	Aug 23, 1956
MAXIMUM PEAK FLOW			1,650	Jul 1	13,000	Jun 17, 1957
MAXIMUM PEAK STAGE			10.62	Jul 1	19.40	Jun 17, 1957
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	most years
ANNUAL RUNOFF (AC-FT)	384		1,360		13,990	
10 PERCENT EXCEEDS	1.6		0.37		23	
50 PERCENT EXCEEDS	0.16		0.00		2.1	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated



06867000 SALINE RIVER NEAR RUSSELL, KS

LOCATION.--Lat 38°57'57", long 98°51'15", in SW ¼ SW ¼ NW ¼ sec.35, T.12 S., R.14 W., Russell County, Hydrologic Unit 10260009, on left bank at downstream side of bridge on U.S. Highway 281, 2.0 mi downstream from Salt Creek, 5.0 mi north of Russell, and at mile 190.6.

DRAINAGE AREA.--1,502 mi^2.

PERIOD OF RECORD.--October 1945 to September 1953, June 1959 to current year.

REVISED RECORDS.--WSP 1919: 1960. WDR KS-92-1: 1988-89 (M), 1990-91 (M).

GAGE.--Water-stage recorder. Datum of gage is 1,551.59 ft above NGVD of 1929. Prior to Jan. 22, 1946, nonrecording gage at same site and datum. April 24, 2004, to September 30, 2004, at a temporary location 0.5 mi upstream at a different datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Low flow partially regulated at times by irrigation. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 11	1215	*4,420	*14.15	Jul 8	1845	2,850	12.31

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	3.7	3.9	4.8	e8.0	15	8.1	8.8	8.1	324	100	17
2	6.4	3.9	3.8	4.7	e7.5	14	7.8	7.9	7.8	452	72	21
3	6.3	4.2	e3.6	4.7	e7.0	16	7.8	7.3	7.6	78	58	18
4	6.1	4.2	e3.6	e4.7	e7.5	17	7.7	7.3	7.1	241	49	16
5	6.0	3.9	3.7	e4.6	e8.0	20	7.7	7.1	7.1	166	43	e16
6	6.0	3.6	e3.6	e4.6	e8.5	18	7.9	6.4	6.7	100	38	e15
7	5.9	3.5	e3.6	e6.0	e8.0	17	8.0	5.8	6.3	107	35	e14
8	e5.7	3.3	e3.6	e6.5	e8.5	15	8.0	5.3	6.0	1,190	33	14
9	e5.6	3.4	e4.0	e6.5	e9.0	14	8.4	5.2	5.7	538	31	14
10	e5.5	3.6	e4.0	e6.5	e10	13	8.7	4.9	5.6	215	29	13
11	e8.0	3.6	e4.0	e6.5	e10	13	8.7	1,690	5.4	126	28	e12
12	e6.0	3.4	e4.0	e6.5	e10	13	8.5	323	5.1	98	27	e12
13	e5.0	3.3	e5.0	e6.5	e10	12	8.5	88	4.7	79	26	e12
14	e4.7	3.3	e6.0	e6.5	e10	12	8.5	47	4.5	61	25	12
15	e4.4	3.5	e7.0	e6.0	e10	12	8.2	35	5.2	51	24	13
16	e4.2	3.5	e6.6	5.6	e10	12	7.7	29	5.1	47	23	13
17	4.2	3.9	e6.2	5.4	e11	11	7.0	90	6.3	43	23	12
18	4.3	3.7	e5.9	5.1	12	11	6.3	246	39	39	22	12
19	4.4	3.7	e5.6	e5.0	12	10	5.9	38	35	37	24	11
20	5.0	3.6	e5.4	6.2	12	10	5.9	26	14	34	21	11
21	4.9	3.6	e5.2	6.5	13	9.8	6.0	20	11	33	20	11
22	5.0	3.6	e5.1	6.3	15	9.4	e6.0	17	9.1	33	19	15
23	4.8	4.1	5.0	5.4	14	9.3	e7.8	15	7.9	37	19	40
24	4.8	4.2	5.1	5.2	13	9.2	8.9	14	7.3	41	18	18
25	4.4	4.0	5.0	e6.0	13	8.9	9.2	13	6.7	37	18	12
26	4.5	4.1	5.0	e6.0	e13	8.8	8.4	12	6.4	32	17	10
27	4.6	4.0	4.9	e6.0	12	9.7	8.0	11	7.4	28	16	9.6
28	4.5	4.2	4.7	e7.0	12	10	7.7	10	7.8	27	16	9.3
29	4.3	4.2	e5.0	e7.5	14	9.6	7.5	9.5	6.7	757	15	9.4
30	4.5	4.1	e4.8	e7.5	---	8.5	8.6	9.4	6.6	396	22	10
31	3.9	---	e4.8	e8.0	---	8.3	---	8.4	---	165	20	---
MEAN	5.18	3.76	4.76	5.95	10.6	12.1	7.78	90.9	8.97	181	30.0	14.1
MAX	8.0	4.2	7.0	8.0	15	20	9.2	1,690	39	1,190	100	40
MIN	3.9	3.3	3.6	4.6	7.0	8.3	5.9	4.9	4.5	27	15	9.3
AC-FT	318	224	293	366	611	747	463	5,590	534	11,130	1,850	838

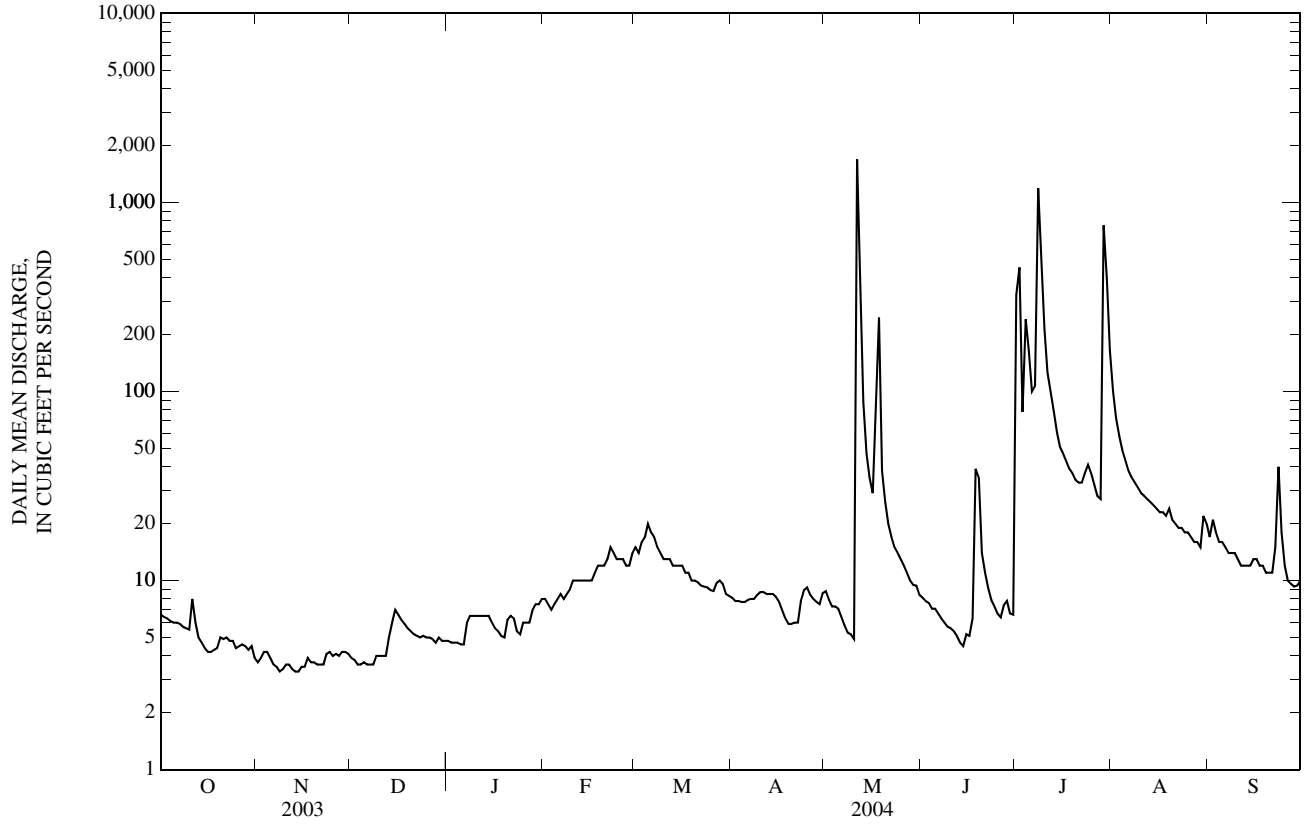
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2004, BY WATER YEAR (WY)

MEAN	63.0	41.8	34.1	35.1	56.8	83.7	98.9	133	192	203	115	72.1
MAX	1,077	238	174	206	453	561	969	1,617	3,011	3,737	1,257	778
(WY)	(1947)	(1997)	(1974)	(1974)	(1949)	(1960)	(1987)	(1995)	(1951)	(1993)	(1950)	(1951)
MIN	1.05	0.96	1.92	2.28	1.97	2.49	3.29	4.06	8.82	1.69	1.29	0.94
(WY)	(1992)	(1991)	(1991)	(1992)	(1992)	(1992)	(1992)	(1992)	(1989)	(1991)	(2003)	(1991)

06867000 SALINE RIVER NEAR RUSSELL, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1946 - 2004	
ANNUAL MEAN	16.6		31.6		94.7	
HIGHEST ANNUAL MEAN					561	1951
LOWEST ANNUAL MEAN					5.25	1991
HIGHEST DAILY MEAN	490	Sep 12	1,690	May 11	23,400	Jul 22, 1993
LOWEST DAILY MEAN	0.70	Aug 25	3.3	Nov 8	0.10	Aug 11, 1964
ANNUAL SEVEN-DAY MINIMUM	0.84	Aug 22	3.4	Nov 8	0.27	Aug 7, 1964
MAXIMUM PEAK FLOW			4,420	May 11	41,500	Jul 21, 1993
MAXIMUM PEAK STAGE			14.15	May 11	25.73	Jul 21, 1993
INSTANTANEOUS LOW FLOW			2.8	Nov 23	0.00	Aug 11, 1964
ANNUAL RUNOFF (AC-FT)	11,990		22,960		68,630	
10 PERCENT EXCEEDS	28		38		159	
50 PERCENT EXCEEDS	15		8.2		30	
90 PERCENT EXCEEDS	1.9		4.1		4.6	

e Estimated



06868100 WILSON LAKE NEAR WILSON, KS

LOCATION.--Lat 38°57'52", long 98°29'33", in NE ¼ NW ¼ SE ¼ sec.36, T.12 S., R.11 W., Russell County, Hydrologic Unit 10260009, in the control tower near right end of Wilson Dam on the Saline River, 10 mi north of Wilson, and at mile 153.9.

DRAINAGE AREA.--1,917 mi^2.

PERIOD OF RECORD.--December 1964 to current year. Prior to October 1971, published as "Wilson Reservoir."

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

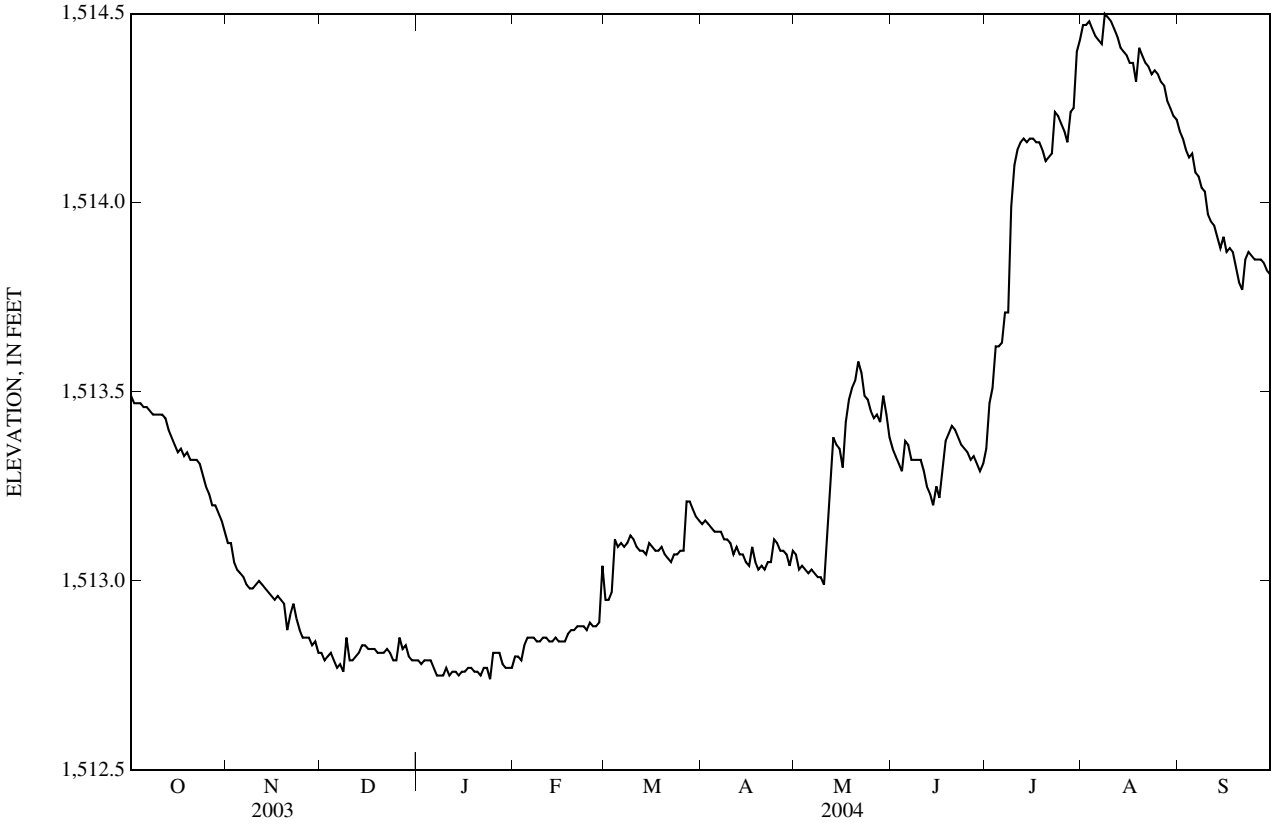
REMARKS.--Reservoir is formed by earthfill dam. Storage began Dec. 29, 1964. Total capacity, 1,667,000 acre-ft below elevation 1,587.5 ft, consisting of 1,420 acre-ft of dead storage below elevation 1,450 ft; conservation pool, 241,100 acre-ft between elevations 1,450 ft and 1,516 ft; flood-control pool, 1,245,000 acre-ft between elevations 1,516 ft and 1,582 ft, crest of spillway; and surcharge capacity of 179,500 acre-ft between elevations 1,582 ft and 1,587.5 ft. Figures given herein represent total contents. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,548.23 ft, Aug. 6, 1993, contents, 663,600 acre-ft; minimum elevation since conservation pool first filled, 1,493.59 ft, Dec. 26, 1966, contents, 91,500 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,514.52 ft, Aug. 9, contents, 229,400 acre-ft; minimum elevation, 1,512.69 ft, Jan. 9, contents, 213,700 acre-ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on field survey by U.S. Army Corps of Engineers during July 1984)

Elevation	Contents	Elevation	Contents	Elevation	Contents
1,512	208,300	1,514	224,900	1,515	233,600
1,513	216,300				



06868100 WILSON LAKE NEAR WILSON, KS—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,513.49	1,513.10	1,512.81	1,512.79	1,512.80	1,512.95	1,513.15	1,513.07	1,513.35	1,513.35	1,514.47	1,514.19
2	1,513.47	1,513.10	1,512.79	1,512.78	1,512.80	1,512.95	1,513.16	1,513.03	1,513.33	1,513.47	1,514.47	1,514.17
3	1,513.47	1,513.05	1,512.80	1,512.79	1,512.79	1,512.97	1,513.15	1,513.04	1,513.31	1,513.51	1,514.48	1,514.14
4	1,513.47	1,513.03	1,512.81	1,512.79	1,512.83	1,513.11	1,513.14	1,513.03	1,513.29	1,513.62	1,514.46	1,514.12
5	1,513.46	1,513.02	1,512.79	1,512.79	1,512.85	1,513.09	1,513.13	1,513.02	1,513.37	1,513.62	1,514.44	1,514.13
6	1,513.46	1,513.01	1,512.77	1,512.77	1,512.85	1,513.10	1,513.13	1,513.03	1,513.36	1,513.63	1,514.43	1,514.08
7	1,513.45	1,512.99	1,512.78	1,512.75	1,512.85	1,513.09	1,513.13	1,513.02	1,513.32	1,513.71	1,514.42	1,514.07
8	1,513.44	1,512.98	1,512.76	1,512.75	1,512.84	1,513.10	1,513.11	1,513.01	1,513.32	1,513.71	1,514.50	1,514.04
9	1,513.44	1,512.98	1,512.85	1,512.75	1,512.84	1,513.12	1,513.11	1,513.01	1,513.32	1,513.99	1,514.49	1,514.03
10	1,513.44	1,512.99	1,512.79	1,512.77	1,512.85	1,513.11	1,513.10	1,512.99	1,513.32	1,514.10	1,514.48	1,513.97
11	1,513.44	1,513.00	1,512.79	1,512.75	1,512.85	1,513.09	1,513.07	1,513.14	1,513.29	1,514.14	1,514.46	1,513.95
12	1,513.43	1,512.99	1,512.80	1,512.76	1,512.84	1,513.08	1,513.09	1,513.27	1,513.25	1,514.16	1,514.44	1,513.94
13	1,513.40	1,512.98	1,512.81	1,512.76	1,512.84	1,513.08	1,513.07	1,513.38	1,513.23	1,514.17	1,514.41	1,513.91
14	1,513.38	1,512.97	1,512.83	1,512.75	1,512.85	1,513.07	1,513.07	1,513.36	1,513.20	1,514.16	1,514.40	1,513.88
15	1,513.36	1,512.96	1,512.83	1,512.76	1,512.84	1,513.10	1,513.05	1,513.35	1,513.25	1,514.17	1,514.39	1,513.91
16	1,513.34	1,512.95	1,512.82	1,512.76	1,512.84	1,513.09	1,513.04	1,513.30	1,513.22	1,514.17	1,514.37	1,513.87
17	1,513.35	1,512.96	1,512.82	1,512.77	1,512.84	1,513.08	1,513.09	1,513.42	1,513.30	1,514.16	1,514.37	1,513.88
18	1,513.33	1,512.95	1,512.82	1,512.77	1,512.86	1,513.08	1,513.05	1,513.48	1,513.37	1,514.16	1,514.32	1,513.87
19	1,513.34	1,512.94	1,512.81	1,512.76	1,512.87	1,513.09	1,513.03	1,513.51	1,513.39	1,514.14	1,514.41	1,513.83
20	1,513.32	1,512.87	1,512.81	1,512.76	1,512.87	1,513.07	1,513.04	1,513.53	1,513.41	1,514.11	1,514.39	1,513.79
21	1,513.32	1,512.91	1,512.81	1,512.75	1,512.88	1,513.06	1,513.03	1,513.58	1,513.40	1,514.12	1,514.37	1,513.77
22	1,513.32	1,512.94	1,512.82	1,512.77	1,512.88	1,513.05	1,513.05	1,513.55	1,513.38	1,514.13	1,514.36	1,513.85
23	1,513.31	1,512.90	1,512.81	1,512.77	1,512.88	1,513.07	1,513.05	1,513.49	1,513.36	1,514.24	1,514.34	1,513.87
24	1,513.28	1,512.87	1,512.79	1,512.74	1,512.87	1,513.07	1,513.11	1,513.48	1,513.35	1,514.23	1,514.35	1,513.86
25	1,513.25	1,512.85	1,512.79	1,512.81	1,512.89	1,513.08	1,513.10	1,513.45	1,513.34	1,514.21	1,514.34	1,513.85
26	1,513.23	1,512.85	1,512.85	1,512.81	1,512.88	1,513.08	1,513.08	1,513.43	1,513.32	1,514.19	1,514.32	1,513.85
27	1,513.20	1,512.85	1,512.82	1,512.81	1,512.88	1,513.21	1,513.08	1,513.44	1,513.33	1,514.16	1,514.31	1,513.85
28	1,513.20	1,512.83	1,512.83	1,512.78	1,512.89	1,513.21	1,513.07	1,513.42	1,513.31	1,514.24	1,514.27	1,513.84
29	1,513.18	1,512.84	1,512.80	1,512.77	1,513.04	1,513.19	1,513.04	1,513.49	1,513.29	1,514.25	1,514.25	1,513.82
30	1,513.16	1,512.81	1,512.79	1,512.77	---	1,513.17	1,513.08	1,513.44	1,513.31	1,514.40	1,514.23	1,513.81
31	1,513.13	---	1,512.79	1,512.77	---	1,513.16	---	1,513.38	---	1,514.43	1,514.22	---
MEAN	1,513.35	1,512.95	1,512.81	1,512.77	1,512.86	1,513.09	1,513.09	1,513.30	1,513.32	1,514.03	1,514.39	1,513.94
MAX	1,513.49	1,513.10	1,512.85	1,512.81	1,513.04	1,513.21	1,513.16	1,513.58	1,513.41	1,514.43	1,514.50	1,514.19
MIN	1,513.13	1,512.81	1,512.76	1,512.74	1,512.79	1,512.95	1,513.03	1,512.99	1,513.20	1,513.35	1,514.22	1,513.77
(+)	217,400	214,700	214,600	214,400	216,700	217,700	217,000	219,500	219,000	228,600	226,800	223,200
(#)	-3,300	-2,700	-100	-200	+2,300	+1,000	-700	+2,500	-500	+9,600	-1,800	-3,600

CAL YR 2003 ..... (#) -11,600
WTR YR 2004 ..... (#) +2,500

+ CONTENTS, IN ACRE-FEET, AT END OF MONTH.
# CHANGE IN CONTENTS, IN ACRE-FEET.

06868200 SALINE RIVER AT WILSON DAM, KS

LOCATION.--Lat 38°58'35", long 98°29'20", in NE ¼ SW ¼ SE ¼ sec.25, T.12 S., R.11 W., Russell County, Hydrologic Unit 10260010, on right bank 0.5 mi downstream from outlet of Wilson Dam, 9.0 mi upstream from Wolf Creek, 10 mi north of Wilson, and at mile 153.4.

DRAINAGE AREA.--1,917 mi^2.

PERIOD OF RECORD.--March 1963 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,437 ft above NGVD of 1929, from topographic map. Prior to May 12, 1965, water-stage recorder at site 1.5 mi downstream at different datum. Satellite telemeter at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow completely regulated since 1964 by Wilson Lake (station 06868100), 0.5 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	3.4	3.9	4.7	e6.0	3.4	3.4	15	15	14	15	13
2	7.2	3.4	4.0	5.2	e6.5	4.2	9.5	14	16	14	15	13
3	6.3	3.2	4.0	6.6	6.9	5.3	15	14	13	14	16	13
4	6.3	4.6	3.5	7.1	7.7	5.5	15	14	16	14	8.4	13
5	6.3	6.2	3.2	6.9	7.8	5.5	13	14	18	15	2.3	13
6	5.8	6.6	3.2	6.8	7.7	5.4	12	14	16	15	5.3	13
7	5.5	6.4	3.1	6.4	8.1	5.9	12	15	16	15	13	13
8	5.7	6.4	3.7	6.4	8.1	6.2	12	15	15	15	13	13
9	5.9	6.3	6.2	6.2	7.5	6.5	10	16	15	15	13	13
10	5.9	5.9	4.0	4.7	7.6	7.0	8.8	15	15	15	13	13
11	6.4	5.4	3.1	4.3	9.4	6.8	7.0	15	14	15	13	13
12	6.3	5.8	3.3	4.1	7.9	5.6	7.1	14	15	15	13	13
13	4.7	6.9	3.4	7.3	6.7	2.2	10	14	15	15	13	13
14	3.2	4.8	3.4	8.4	7.1	2.6	13	14	15	15	13	13
15	3.3	5.6	3.6	6.3	7.3	3.4	13	14	15	15	13	13
16	3.5	7.0	3.4	5.8	6.6	3.6	14	14	15	15	13	13
17	3.6	6.8	3.3	6.6	6.9	3.6	15	14	15	15	13	13
18	4.0	7.4	3.0	6.3	7.6	4.0	13	15	16	15	13	13
19	3.1	6.3	5.2	5.2	8.3	2.9	14	14	15	15	13	13
20	3.1	4.7	5.7	5.0	6.9	2.0	14	15	15	15	13	13
21	3.2	5.1	e5.5	5.0	6.5	1.5	13	16	15	15	13	13
22	3.3	5.2	e5.5	5.0	6.4	1.2	15	16	15	15	13	13
23	3.0	5.1	e5.5	4.9	6.3	3.7	15	17	15	16	13	13
24	e3.1	e5.0	5.6	4.9	5.8	6.4	16	17	15	16	13	13
25	3.1	e5.0	5.2	4.7	5.0	4.9	15	17	15	16	13	13
26	3.9	4.3	4.9	5.1	4.7	6.0	15	17	15	16	13	13
27	3.8	3.6	5.1	4.0	2.8	7.9	15	17	15	15	13	13
28	4.4	4.1	5.7	2.7	2.9	5.1	14	17	14	16	13	13
29	4.2	4.0	5.4	e2.3	3.3	4.5	15	16	14	15	13	13
30	4.4	4.2	4.5	e2.0	---	2.7	15	16	14	15	13	11
31	3.8	---	4.6	e6.0	---	3.2	---	15	---	15	13	---
MEAN	4.75	5.29	4.31	5.38	6.63	4.47	12.6	15.2	15.1	15.0	12.5	12.9
MAX	11	7.4	6.2	8.4	9.4	7.9	16	17	18	16	16	13
MIN	3.0	3.2	3.0	2.0	2.8	1.2	3.4	14	13	14	2.3	11
AC-FT	292	315	265	331	381	275	751	932	897	924	768	770

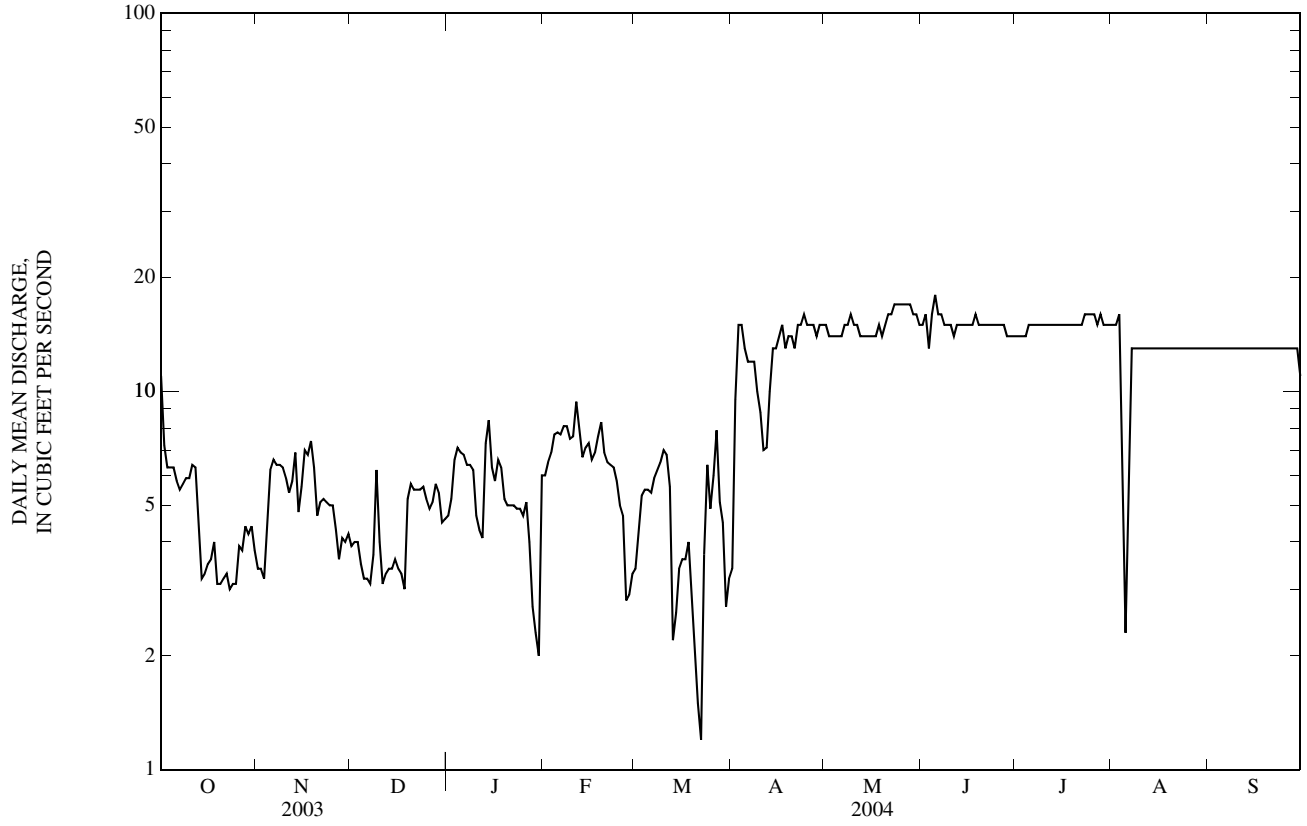
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	56.9	61.0	86.7	69.8	59.9	56.3	107	117	138	104	107	61.8
MAX	1,557	1,508	1,636	1,341	703	774	1,444	1,107	1,143	1,401	1,226	1,233
(WY)	(1994)	(1994)	(1994)	(1994)	(1974)	(1993)	(1973)	(1987)	(1987)	(1995)	(1993)	(1993)
MIN	3.53	2.43	4.31	3.35	4.15	2.10	2.97	3.15	3.57	3.27	3.60	4.80
(WY)	(1968)	(1968)	(2004)	(1965)	(1965)	(1968)	(1967)	(1967)	(1967)	(1967)	(1967)	(1967)

06868200 SALINE RIVER AT WILSON DAM, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL MEAN	9.75		9.51		85.5	
HIGHEST ANNUAL MEAN					641	1994
LOWEST ANNUAL MEAN					5.36	1967
HIGHEST DAILY MEAN	17	Sep 11	18	Jun 5	2,920	Apr 14, 1973
LOWEST DAILY MEAN	1.0	Mar 29	1.2	Mar 22	1.0	Aug 3, 1964
ANNUAL SEVEN-DAY MINIMUM	1.3	Mar 25	2.7	Mar 16	1.2	Jun 1, 1968
MAXIMUM PEAK FLOW			30	Jun 5	3,320	Apr 6, 1973
MAXIMUM PEAK STAGE			3.30	Jun 5	18.84	Apr 6, 1973
INSTANTANEOUS LOW FLOW			0.48	Jun 3	0.00	Nov 8, 1978
ANNUAL RUNOFF (AC-FT)	7,060		6,900		61,920	
10 PERCENT EXCEEDS	15		15		175	
50 PERCENT EXCEEDS	11		8.1		16	
90 PERCENT EXCEEDS	3.5		3.4		5.0	

e Estimated



06869500 SALINE RIVER AT TESCOTT, KS

LOCATION.--Lat 39°00'14", long 97°52'25", in NE ¼ SE ¼ SE ¼ sec.16, T.12 S., R.5 W., Ottawa County, Hydrologic Unit 10260010, on right bank at downstream side of county highway bridge, 0.5 mi south of Tescott, 0.5 mi upstream from Dry Creek, and at mile 68.5.

DRAINAGE AREA.--2,820 mi^2.

PERIOD OF RECORD.--September 1919 to current year.

REVISED RECORDS.--WSP 806: Drainage area. WSP 856: 1931. WSP 1310: 1926-28(M), 1935(M), 1945(M), 1947-48(M). WSP 1919: 1922, 1960.

GAGE.--Water-stage recorders. Datum of gage is 1,265.34 ft above NGVD of 1929. Prior to Nov. 23, 1934, nonrecording gage at present site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Some diurnal fluctuation caused by powerplants upstream from station. Diversions upstream from station for irrigation. Flow moderately regulated since 1964 by Wilson Lake (station 06868100), 85.4 mi upstream. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 13, 1951, was greatest known since at least 1903 and exceeded the flood of May-June 1903 by about 1.0 ft, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	13	15	15	e14	24	28	26	40	22	39	20
2	18	14	15	15	e13	25	24	25	29	28	112	20
3	17	14	15	15	e13	25	22	26	22	109	71	19
4	17	16	15	e13	e13	26	21	25	21	95	44	19
5	17	21	15	e12	e13	186	21	26	20	67	35	20
6	16	18	15	12	e13	222	20	25	20	68	31	20
7	15	15	14	13	e12	89	20	24	24	55	28	19
8	15	e13	14	13	e12	47	23	24	20	50	27	18
9	15	13	16	12	e13	35	23	24	20	82	35	18
10	14	13	21	12	e15	32	23	124	22	1,860	120	18
11	14	e14	13	13	e17	31	22	147	21	1,790	73	17
12	14	e13	16	14	e16	29	22	54	19	470	40	17
13	13	e13	15	14	e15	27	21	38	18	167	31	17
14	13	e13	15	14	e17	25	22	33	18	89	26	17
15	14	e14	16	14	e16	24	21	31	19	60	24	17
16	14	e15	16	15	e19	23	21	30	18	50	23	17
17	14	e15	15	15	e23	23	21	29	18	43	23	17
18	13	e15	15	15	28	22	21	30	24	39	23	17
19	13	14	16	e14	28	21	22	30	51	36	24	25
20	13	14	16	15	29	20	22	29	86	34	24	25
21	13	15	16	18	32	20	23	29	43	32	24	21
22	13	15	16	15	34	20	24	29	32	31	23	19
23	13	15	15	16	31	19	24	28	29	31	25	20
24	13	14	14	12	28	19	25	28	25	34	24	156
25	13	15	16	14	27	19	25	27	24	35	23	102
26	13	15	17	e17	25	19	26	26	24	38	22	38
27	13	15	16	e16	24	19	27	25	24	36	22	27
28	13	15	16	e14	23	20	28	25	25	35	21	22
29	13	15	16	e14	24	23	26	24	22	32	21	20
30	14	15	15	e13	---	55	25	27	22	32	21	20
31	13	---	15	e14	---	40	---	34	---	31	20	---
MEAN	14.2	14.6	15.5	14.1	20.2	39.6	23.1	35.5	26.7	180	35.5	27.4
MAX	18	21	21	18	34	222	28	147	86	1,860	120	156
MIN	13	13	13	12	12	19	20	24	18	22	20	17
AC-FT	875	871	952	869	1,160	2,440	1,370	2,190	1,590	11,070	2,180	1,630

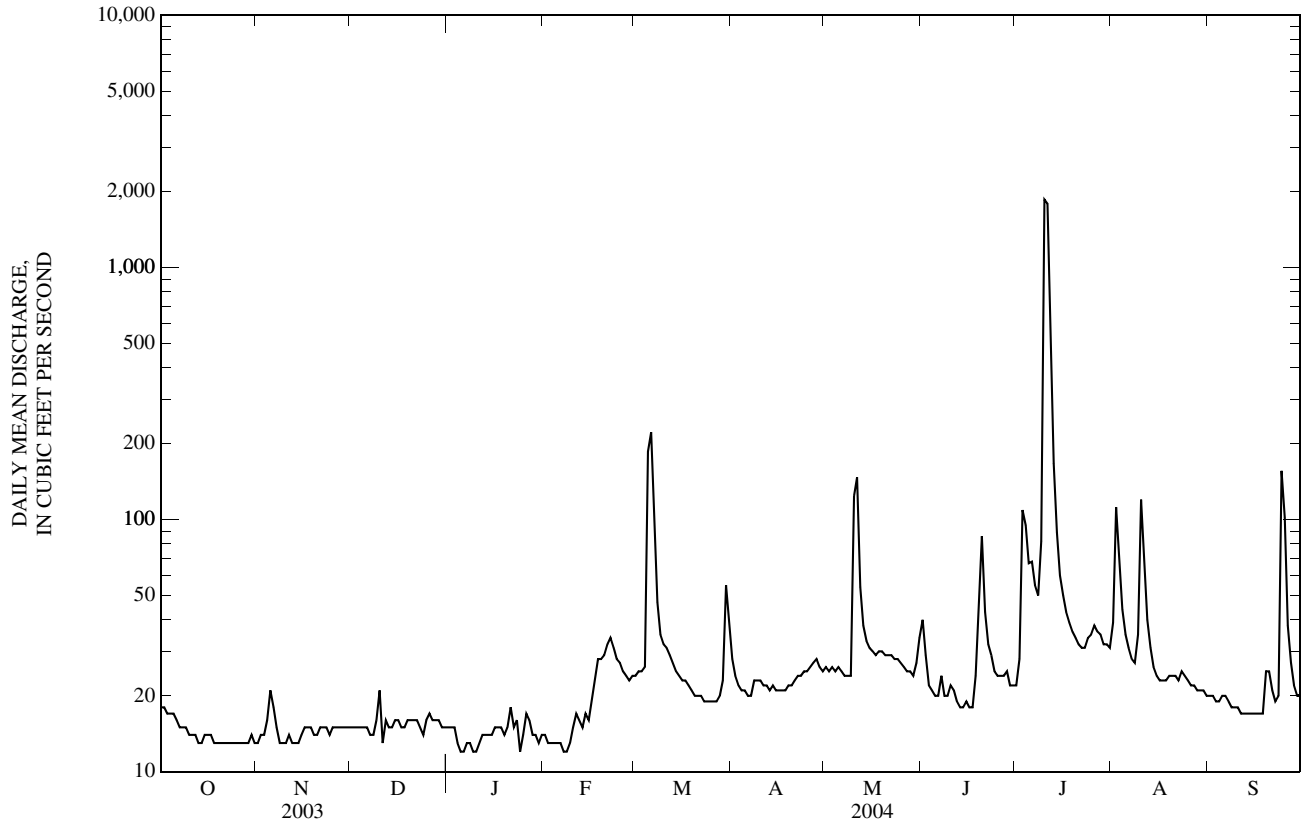
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2004, BY WATER YEAR (WY)

MEAN	141	99.0	93.0	88.9	113	161	226	355	495	418	251	224
MAX	1,650	1,639	1,736	1,540	984	1,698	2,445	2,054	6,756	6,589	2,363	2,131
(WY)	(1994)	(1994)	(1994)	(1994)	(1974)	(1960)	(1973)	(1961)	(1951)	(1951)	(1928)	(1951)
MIN	4.77	5.60	6.16	2.32	12.5	8.74	10.5	8.44	12.2	11.6	7.13	5.83
(WY)	(1925)	(1925)	(1935)	(1925)	(1938)	(1935)	(1968)	(1967)	(1966)	(1966)	(1924)	(1924)

06869500 SALINE RIVER AT TESCOTT, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1920 - 2004	
ANNUAL MEAN	39.6		37.5		220	
HIGHEST ANNUAL MEAN					1,590	1951
LOWEST ANNUAL MEAN					19.8	1966
HIGHEST DAILY MEAN	1,880	Sep 13	1,860	Jul 10	47,600	Jul 13, 1951
LOWEST DAILY MEAN	12	Aug 15	12	Jan 5	0.00	Jan 22, 1935
ANNUAL SEVEN-DAY MINIMUM	12	Aug 12	12	Jan 4	1.9	Dec 5, 1934
MAXIMUM PEAK FLOW			2,210	Jul 11	61,400	Jul 13, 1951
MAXIMUM PEAK STAGE			17.94	Jul 11	30.14	Jul 23, 1993
INSTANTANEOUS LOW FLOW			11	Jan 6	0.00	1935,1936
ANNUAL RUNOFF (AC-FT)	28,650		27,200		159,200	
10 PERCENT EXCEEDS	39		39		420	
50 PERCENT EXCEEDS	22		21		57	
90 PERCENT EXCEEDS	13		13		15	

e Estimated



06869950 MULBERRY CREEK NEAR SALINA, KS

LOCATION.--Lat 38°50'40", long 97°40'05", in SW ¼ SW ¼ sec.9, T.14 S., R.3 W., Saline County, Hydrologic Unit 10260010, on left bank at downstream side of bridge on county highway bridge, 2.0 mi downstream from Spring Creek, 2.0 mi west of Salina, and at mile 9.0.

DRAINAGE AREA.--261 mi^2.

PERIOD OF RECORD.--Annual maximum, water year 1961-2001. March 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,208.48 ft above NGVD of 1929. Prior to Mar. 1, 2002, nonrecording gage at present site and datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge 8,440 ft^3/s, May 28, 1995 (gage height 24.14 ft) from nonrecording gage.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.26	0.27	0.95	1.5	0.93	3.4	6.5	5.8	18	1.9	0.36	0.05
2	0.24	0.29	0.99	1.4	0.99	3.9	5.9	4.6	8.7	2.5	0.24	0.04
3	0.23	0.32	1.1	1.3	1.0	4.4	5.5	4.2	6.0	2.9	0.16	0.04
4	0.21	0.43	1.0	1.3	1.1	92	5.1	3.8	4.9	2.6	0.10	0.03
5	0.21	e0.35	1.1	1.1	1.2	377	4.9	3.5	4.2	3.2	0.07	0.04
6	0.20	e0.36	1.1	0.84	1.2	111	4.7	3.3	3.8	69	0.06	0.05
7	0.20	e0.37	1.1	0.78	1.3	26	4.7	3.1	3.5	100	0.05	0.05
8	0.39	e0.38	1.2	0.89	1.3	14	5.0	2.9	3.3	22	0.05	0.04
9	1.2	e0.39	1.4	1.0	1.4	10	5.1	2.6	3.2	67	0.06	0.04
10	0.51	e0.40	1.4	1.1	1.3	8.4	5.2	3.4	4.2	17	0.06	0.04
11	0.31	e0.41	e1.0	1.2	1.4	7.3	5.0	7.2	3.9	7.0	0.07	0.04
12	0.24	e0.42	1.2	1.3	1.4	6.5	5.2	7.9	3.6	4.4	0.06	0.04
13	0.22	e0.43	1.2	1.3	1.4	5.9	5.0	5.7	2.7	2.8	0.05	0.03
14	0.22	e0.44	1.2	1.4	1.5	5.9	4.9	5.5	2.1	1.9	0.05	0.03
15	0.23	e0.45	1.4	1.5	1.5	6.0	4.8	5.9	2.8	1.2	0.05	0.03
16	0.23	e0.46	1.4	1.6	1.4	6.1	4.6	5.3	3.5	0.70	0.04	0.03
17	0.22	e0.47	1.4	1.7	1.5	6.3	4.5	4.9	3.3	0.42	0.05	0.04
18	0.22	e0.48	1.5	2.0	1.7	6.0	4.3	5.0	24	0.24	0.05	0.04
19	0.23	e0.49	1.5	1.6	6.7	5.5	4.2	5.9	75	0.15	0.06	0.04
20	0.23	0.55	1.5	1.7	11	5.4	4.7	6.3	19	0.10	0.06	0.03
21	0.23	0.57	1.5	1.7	8.3	5.1	5.1	4.8	10	0.07	0.05	0.04
22	0.23	0.59	1.6	1.5	7.1	5.0	6.3	3.7	7.6	0.06	0.05	0.04
23	0.23	0.63	1.6	1.4	4.8	4.9	8.8	3.1	6.0	0.10	0.05	0.07
24	0.23	0.65	1.6	1.6	3.7	4.9	14	2.7	5.2	16	0.05	0.06
25	0.24	0.69	1.7	1.7	2.6	5.1	12	2.3	4.6	13	0.05	0.05
26	0.24	0.71	1.8	e1.4	2.2	5.2	9.3	1.8	4.0	3.7	0.05	0.05
27	0.25	0.77	1.9	e1.3	2.3	34	6.7	1.6	3.1	1.9	0.05	0.05
28	0.26	0.77	1.7	e1.2	4.2	59	5.0	1.5	2.5	1.3	0.04	0.05
29	0.26	0.79	1.6	1.1	3.3	18	4.0	1.2	2.2	0.90	0.04	0.05
30	0.27	0.93	1.6	0.93	---	11	4.3	140	2.0	0.72	0.04	0.05
31	0.27	---	1.6	0.85	---	7.8	---	131	---	0.49	0.05	---
MEAN	0.28	0.51	1.38	1.33	2.75	28.1	5.84	12.6	8.23	11.1	0.07	0.04
MAX	1.2	0.93	1.9	2.0	11	377	14	140	75	100	0.36	0.07
MIN	0.20	0.27	0.95	0.78	0.93	3.4	4.0	1.2	2.0	0.06	0.04	0.03
AC-FT	17	30	85	82	158	1,730	348	775	490	685	4.5	2.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	4.79	0.90	1.66	2.05	3.66	19.1	9.75	9.75	8.48	3.83	0.30	1.70
MAX	9.29	1.29	1.94	2.77	4.60	28.1	16.7	12.6	14.2	11.1	0.59	4.96
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2003)	(2004)	(2003)	(2004)	(2003)	(2003)
MIN	0.28	0.51	1.38	1.33	2.75	7.87	5.84	7.77	2.98	0.08	0.07	0.04
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2002)	(2004)	(2002)	(2002)	(2002)	(2004)	(2004)

06869950 MULBERRY CREEK NEAR SALINA, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL MEAN	6.36		6.07		6.65	
HIGHEST ANNUAL MEAN					7.24	2003
LOWEST ANNUAL MEAN					6.07	2004
HIGHEST DAILY MEAN	273	Mar 20	377	Mar 5	377	Mar 5, 2004
LOWEST DAILY MEAN	0.04	Aug 11	0.03	Sep 4	0.03	Sep 4, 2004
ANNUAL SEVEN-DAY MINIMUM	0.04	Aug 18	0.03	Sep 10	0.03	Sep 10, 2004
MAXIMUM PEAK FLOW			489	May 30	489	May 30, 2004
MAXIMUM PEAK STAGE			8.49	May 30	8.49	May 30, 2004
INSTANTANEOUS LOW FLOW			0.03	Sep 4	0.03	Sep 4, 2004
ANNUAL RUNOFF (AC-FT)	4,610		4,400		4,820	
10 PERCENT EXCEEDS	8.6		7.2		8.4	
50 PERCENT EXCEEDS	2.2		1.4		1.9	
90 PERCENT EXCEEDS	0.06		0.05		0.05	

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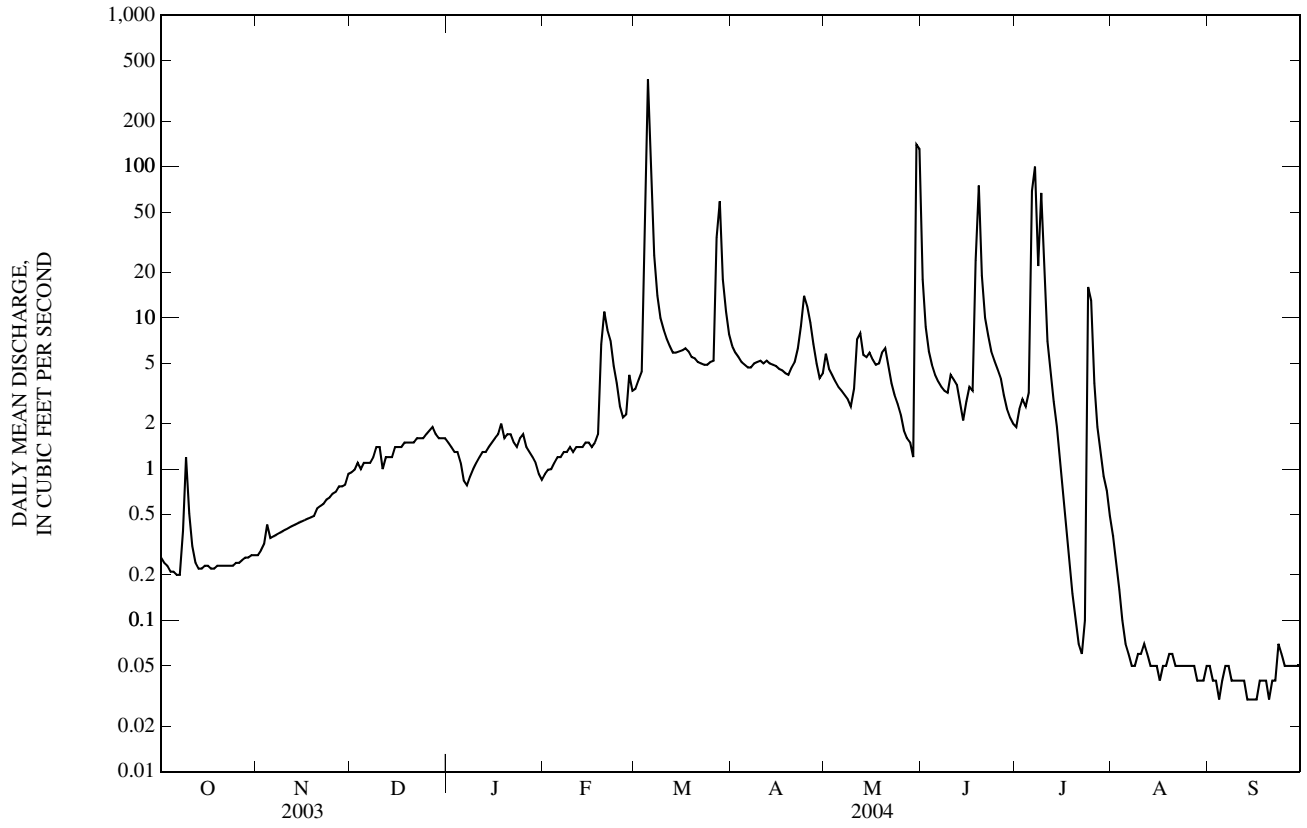


06870200 SMOKY HILL RIVER AT NEW CAMBRIA, KS

LOCATION.--Lat 38°51'50", long 97°28'59", in NE ¼ NE ¼ SE ¼ sec.1, T.14 S., R.2 W., Saline County, Hydrologic Unit 10260008, on left bank at downstream side of county highway bridge, 1.0 mi southeast of New Cambria, 10.1 mi upstream from Gypsum Creek, about 18.1 mi upstream from Solomon River, and at mile 86.6.

DRAINAGE AREA.--11,730 mi^2, approximately.

PERIOD OF RECORD.--October 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,160.19 ft above NGVD of 1929. Prior to Mar. 27, 1963, nonrecording gage and Mar. 27, 1963, to July 5, 1977, water-stage recorder at site 2.7 mi downstream at datum 2.23 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow moderately regulated since 1948 by Kanopolis Lake (station 06865000), 97.7 mi upstream, and slightly regulated since 1964 by Wilson Lake (station 06868100) and by numerous diversions upstream from station. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	64	65	68	e70	102	163	175	250	97	182	152
2	111	64	65	70	e68	96	172	167	149	683	170	148
3	107	66	66	69	e66	99	137	163	121	382	168	143
4	104	73	61	65	e64	172	137	137	123	208	202	138
5	101	73	64	65	e62	1,990	129	120	118	166	249	141
6	100	70	65	e60	e60	3,310	123	111	108	246	231	144
7	98	73	63	e62	e58	1,170	120	105	104	410	214	137
8	102	77	64	64	e60	627	116	103	95	414	206	137
9	164	82	67	62	e62	372	116	101	89	573	210	134
10	610	85	77	61	e64	262	116	107	90	625	205	131
11	456	79	71	65	e66	212	117	118	90	638	213	126
12	174	75	e68	66	e64	187	117	123	85	1,870	224	123
13	127	69	e64	60	e66	174	118	209	80	1,290	268	119
14	113	68	e64	61	e68	167	116	183	77	609	235	115
15	106	65	e66	62	e68	164	111	142	83	438	210	120
16	100	65	68	75	e70	161	109	128	86	318	199	122
17	97	72	68	86	e72	152	108	134	76	251	202	115
18	90	72	78	83	e74	145	105	464	135	224	205	127
19	87	72	71	69	e78	142	103	723	252	208	199	117
20	86	70	74	72	116	135	105	370	330	195	196	106
21	82	67	84	56	155	131	118	227	277	188	194	100
22	79	66	82	65	144	128	118	175	242	178	190	104
23	78	66	81	71	123	124	129	153	210	181	185	130
24	76	66	80	74	111	123	142	140	156	459	179	133
25	71	63	79	78	104	120	155	133	131	1,130	173	117
26	70	64	92	78	98	119	145	126	114	823	169	114
27	70	66	84	80	91	138	134	120	110	348	165	199
28	69	67	78	e80	88	298	125	113	104	251	161	163
29	71	66	79	e76	92	373	114	110	95	218	160	119
30	69	65	75	e74	---	326	140	139	89	206	155	101
31	67	---	69	e72	---	203	---	207	---	196	152	---
MEAN	124	69.7	72.0	69.3	82.1	385	125	178	136	452	196	129
MAX	610	85	92	86	155	3,310	172	723	330	1,870	268	199
MIN	67	63	61	56	58	96	103	101	76	97	152	100
AC-FT	7,630	4,150	4,430	4,260	4,720	23,650	7,450	10,960	8,070	27,810	12,040	7,690

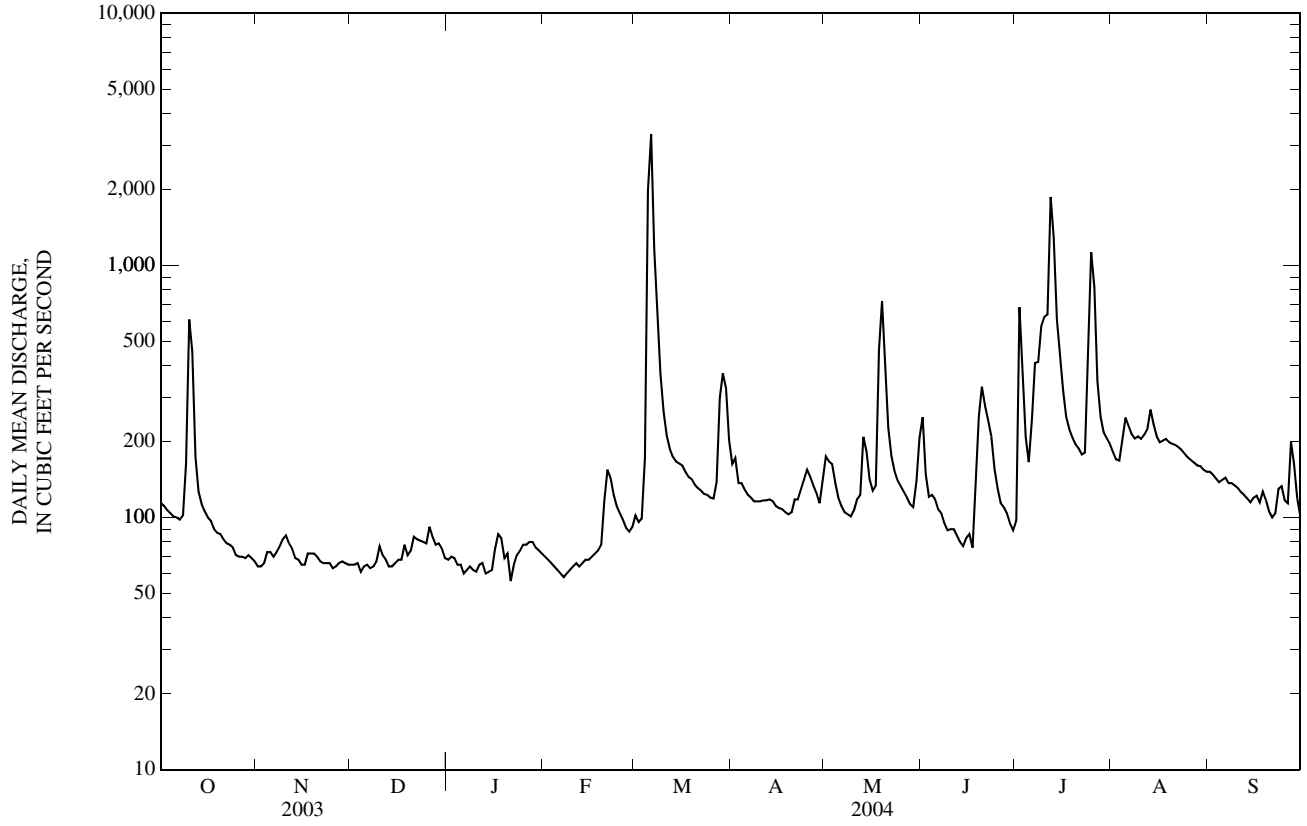
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2004, BY WATER YEAR (WY)

MEAN	487	388	354	273	427	675	825	1,014	1,091	986	688	594
MAX	6,168	3,087	3,293	2,071	2,850	4,789	6,506	5,331	5,360	12,190	5,796	4,601
(WY)	(1974)	(1974)	(1974)	(1994)	(1993)	(1973)	(1973)	(1995)	(1995)	(1993)	(1993)	(1993)
MIN	23.2	43.1	40.8	40.0	35.8	40.6	47.2	47.6	117	52.5	45.4	56.8
(WY)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)	(1988)	(1968)	(2003)	(2002)

06870200 SMOKY HILL RIVER AT NEW CAMBRIA, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1963 - 2004	
ANNUAL MEAN	167		169		651	
HIGHEST ANNUAL MEAN					3,609	1993
LOWEST ANNUAL MEAN					117	1989
HIGHEST DAILY MEAN	2,230	Mar 21	3,310	Mar 6	25,000	Oct 12, 1973
LOWEST DAILY MEAN	26	Aug 21	56	Jan 21	13	Oct 18, 1991
ANNUAL SEVEN-DAY MINIMUM	28	Aug 19	61	Feb 4	14	Oct 18, 1991
MAXIMUM PEAK FLOW			3,990	Mar 6	26,400	Oct 12, 1973
MAXIMUM PEAK STAGE			16.98	Mar 6	31.72	Jun 25, 1993
INSTANTANEOUS LOW FLOW			47	Jan 5	11	Oct 22, 1991
ANNUAL RUNOFF (AC-FT)	120,800		122,900		471,600	
10 PERCENT EXCEEDS	304		250		1,730	
50 PERCENT EXCEEDS	93		114		217	
90 PERCENT EXCEEDS	53		65		70	

e Estimated



06870300 GYPSUM CREEK NEAR GYPSUM, KS

LOCATION.--Lat 38°39'10", long 97°25'12", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.16 S., R.1 W., Saline County, Hydrologic Unit 10260008, on left bank at downstream side of highway bridge, 2.6 mi upstream from Stag Creek, 3.5 mi south of Gypsum, and at mile 22.7.

DRAINAGE AREA.--117 mi^2.

PERIOD OF RECORD.--October 1954 to September 1971. October 1971 to September 1990, flood hydrograph record. May 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,232.16 ft above NGVD of 1929. Prior to July 21, 1959, nonrecording and crest-stage gages at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 11,400 ft^3/s, June 26, 1965 (gage height 20.71 ft). Maximum stage known since at least 1869, 22.2 ft, May 29, 1903; flood in April 1929 reached a stage of 21.9 ft, and that of July 11, 1951, a stage of 21.7 ft, from floodmark; information from newspapers and local residents.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 650 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 9	1200	659	12.74	Jun 18	1200	857	14.51
Mar 5	1100	*2,340	*18.05	Jul 24	2200	2,000	17.53

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	3.8	5.3	5.9	e5.0	17	21	20	5.0	6.6	16	2.3
2	3.0	4.2	5.1	6.0	e4.8	14	19	16	4.3	13	14	1.9
3	2.4	4.6	5.5	5.8	e4.6	12	18	12	3.9	11	12	1.1
4	1.9	5.0	5.7	4.8	e4.6	260	17	12	3.8	7.9	9.9	1.1
5	1.7	5.2	5.6	3.5	e4.6	1,540	17	11	3.8	9.0	8.9	1.2
6	1.5	5.2	5.2	3.9	e4.6	204	17	11	4.1	34	9.1	1.2
7	1.3	4.8	5.7	3.1	e4.4	99	16	10	4.1	18	8.5	1.6
8	1.5	4.7	6.0	3.6	e4.6	66	16	9.3	3.9	9.9	8.7	0.77
9	268	4.8	6.5	3.8	e4.8	49	14	8.8	3.5	37	9.2	0.56
10	74	5.0	7.5	4.7	e5.0	41	16	9.2	3.9	11	8.6	0.59
11	25	5.6	10	6.2	e5.2	36	16	9.7	6.1	6.2	9.5	0.46
12	13	5.4	7.6	6.8	e5.2	33	15	9.4	4.8	4.4	8.1	0.40
13	8.8	5.0	6.1	6.9	e5.2	31	14	9.1	3.9	3.2	7.3	0.37
14	7.0	4.5	8.1	7.3	e5.6	30	14	13	4.3	2.5	6.8	0.43
15	5.9	4.9	8.9	7.3	e5.6	30	14	12	8.3	2.2	6.3	1.2
16	5.2	4.9	9.3	8.7	e6.4	31	14	10	13	2.3	5.9	1.6
17	4.5	5.5	8.3	8.0	e8.0	27	14	51	6.2	2.1	6.1	7.4
18	4.5	14	8.8	7.6	14	25	13	39	398	1.9	5.7	5.4
19	4.5	8.5	8.1	4.9	27	23	13	18	65	1.7	5.2	1.8
20	4.4	6.5	8.3	5.6	35	22	13	14	23	1.5	4.7	1.0
21	4.1	5.9	8.8	6.0	29	20	14	12	55	1.2	4.3	0.95
22	3.7	5.6	8.4	5.9	15	19	17	9.8	33	2.1	4.7	1.1
23	3.7	5.5	7.6	6.4	13	20	18	8.6	15	3.6	4.4	1.3
24	3.8	5.1	6.4	6.9	11	20	22	7.6	10	868	4.1	1.1
25	3.5	5.9	6.8	6.6	10	20	25	6.8	7.8	514	4.0	1.0
26	3.4	5.7	7.0	e6.1	9.9	20	16	6.6	6.5	87	3.5	0.96
27	3.6	5.6	7.3	e6.1	10	21	13	6.8	6.1	46	3.1	0.77
28	4.0	5.3	6.6	e5.8	10	84	13	6.7	6.4	31	2.5	0.63
29	4.6	5.1	6.0	5.5	11	41	11	6.3	6.3	23	2.2	0.63
30	4.5	5.6	5.9	5.0	---	27	12	6.9	6.7	20	2.1	0.70
31	4.2	---	6.0	4.8	---	23	---	5.7	---	18	1.9	---
MEAN	15.6	5.58	7.05	5.79	9.76	93.7	15.7	12.5	24.2	58.0	6.69	1.38
MAX	268	14	10	8.7	35	1,540	25	51	398	868	16	7.4
MIN	1.3	3.8	5.1	3.1	4.4	12	11	5.7	3.5	1.2	1.9	0.37
AC-FT	958	332	433	356	562	5,760	936	770	1,440	3,570	411	82

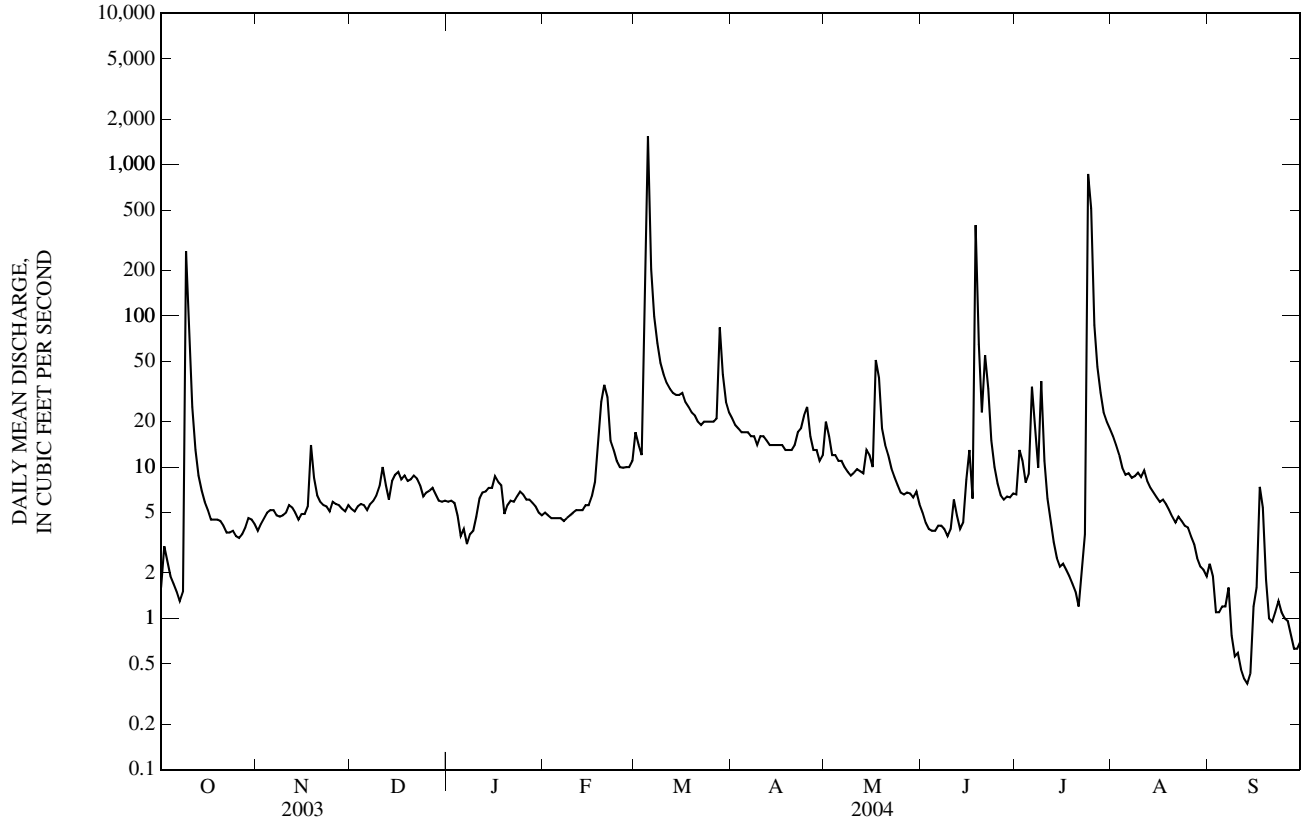
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2004, BY WATER YEAR (WY)

MEAN	14.9	8.31	8.04	11.5	16.5	34.2	37.0	54.6	58.6	24.4	5.42	23.3
MAX	89.3	30.8	25.0	58.9	57.1	123	145	359	331	101	22.3	237
(WY)	(1968)	(1968)	(1968)	(1962)	(2001)	(1960)	(1969)	(1969)	(1965)	(1969)	(2001)	(1967)
MIN	0.00	0.00	0.00	0.00	0.00	0.02	0.12	1.42	0.05	0.00	0.00	0.00
(WY)	(1955)	(1955)	(1956)	(1957)	(1957)	(1956)	(1956)	(1955)	(1956)	(1956)	(1955)	(1956)

06870300 GYPSUM CREEK NEAR GYPSUM, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1955 - 2004	
ANNUAL MEAN	16.9		21.5		25.0	
HIGHEST ANNUAL MEAN					73.3	1969
LOWEST ANNUAL MEAN					0.26	1956
HIGHEST DAILY MEAN	650	Apr 24	1,540	Mar 5	3,500	Jun 26, 1965
LOWEST DAILY MEAN	0.00	Aug 9	0.37	Sep 13	0.00	Oct 1, 1954
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 9	0.51	Sep 8	0.00	Oct 1, 1954
MAXIMUM PEAK FLOW			2,340	Mar 5	11,400	Jun 26, 1965
MAXIMUM PEAK STAGE			18.05	Mar 5	20.71	Jun 26, 1965
INSTANTANEOUS LOW FLOW			0.25	Sep 12	0.00	at times
ANNUAL RUNOFF (AC-FT)	12,210		15,610		18,150	
10 PERCENT EXCEEDS	24		25		34	
50 PERCENT EXCEEDS	5.9		6.5		7.0	
90 PERCENT EXCEEDS	0.31		1.9		0.00	

e Estimated



06871000 NORTH FORK SOLOMON RIVER AT GLADE, KS

LOCATION.--Lat 39°40'23", long 99°18'33", in NW $^1/_4$ SW $^1/_4$ sec.25, T.4 S., R.18 W., Phillips County, Hydrologic Unit 10260011, on left bank at downstream side of bridge on U.S. Highway 183, 0.5 mi south of Glade.

DRAINAGE AREA.--849 mi^2.

PERIOD OF RECORD.--October 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,754.04 ft above NGVD of 1929. Prior to Feb. 17, 1965, at datum 2.00 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow affected by ground-water withdrawals, diversions for irrigation, and return flow from irrigated areas. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 1	0000	*0.00	--	No peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2004, BY WATER YEAR (WY)

MEAN	12.7	8.59	8.75	9.95	17.8	27.1	24.4	52.0	67.5	38.5	29.7	16.8
MAX	318	60.6	59.5	66.8	105	250	98.7	512	1,011	182	315	249
(WY)	(1966)	(1994)	(1994)	(1994)	(1966)	(1960)	(1987)	(1995)	(1957)	(1957)	(1968)	(1965)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1959)	(1965)	(1956)	(1957)	(1957)	(1981)	(1981)	(2004)	(2004)	(1980)	(1956)	(1956)

06871000 NORTH FORK SOLOMON RIVER AT GLADE, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1953 - 2004	
ANNUAL MEAN	2.32		0.00		26.2	
HIGHEST ANNUAL MEAN					124	1957
LOWEST ANNUAL MEAN					0.00	2004
HIGHEST DAILY MEAN	13	Mar 19	0.00	Oct 1	10,900	Jun 16, 1957
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Sep 25, 1953
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Sep 25, 1953
MAXIMUM PEAK FLOW			0.00	Oct 1	23,300	Jun 16, 1957
MAXIMUM PEAK STAGE					18.55	Jun 16, 1957
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	at times
ANNUAL RUNOFF (AC-FT)	1,680		0.00		18,960	
10 PERCENT EXCEEDS	7.5		0.00		45	
50 PERCENT EXCEEDS	0.00		0.00		7.6	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

06871500 BOW CREEK NEAR STOCKTON, KS

LOCATION.--Lat 39°33'34", long 99°17'08", in SW $^1/_4$ NW $^1/_4$ sec.1, T.6 S., R.18 W., Rooks County, Hydrologic Unit 10260011, on left bank at downstream side of bridge on U.S. Highway 183, 8.5 mi north of Stockton.

DRAINAGE AREA.--341 mi^2.

PERIOD OF RECORD.--November 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,801.80 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow affected by ground-water withdrawals, diversions for irrigation, and return flow from irrigated areas. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul 7	2100	*65	*4.66	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.03	e0.13	1.9	e0.30	12	6.0	3.2	0.15	0.54	0.35	0.00
2	0.00	0.05	e0.12	2.9	e0.23	8.7	5.8	3.0	0.10	1.1	0.18	0.00
3	0.02	0.13	e0.11	2.8	e0.20	7.8	5.4	3.0	0.06	1.8	0.07	0.00
4	0.00	0.10	0.10	e1.5	e0.15	8.0	5.3	3.0	0.05	4.3	0.04	0.00
5	0.00	0.09	0.11	e0.80	e0.10	8.7	4.9	2.8	0.08	3.7	0.04	0.00
6	0.00	0.08	0.14	e0.33	e0.05	8.1	5.1	2.6	0.08	11	0.03	0.00
7	0.00	0.09	0.16	e0.40	e0.00	7.4	4.9	2.4	0.03	21	0.03	0.00
8	0.00	0.09	0.16	e1.0	e0.00	6.9	4.4	2.4	0.01	11	0.02	0.00
9	0.00	0.10	0.14	2.1	e0.02	6.5	4.3	2.1	0.00	6.0	0.02	0.00
10	0.00	0.10	e0.14	3.5	e0.03	6.3	4.2	2.0	0.00	4.0	0.01	0.00
11	0.00	0.12	e0.12	5.7	e0.04	6.1	3.9	2.1	0.00	2.7	0.02	0.00
12	0.00	0.10	e0.11	6.5	e0.00	5.9	4.5	2.0	0.00	1.6	0.01	0.00
13	0.00	0.11	e0.12	6.5	e0.00	5.5	4.4	2.1	0.00	1.1	0.01	0.00
14	0.01	0.11	e0.12	7.6	e0.01	5.0	3.8	2.0	0.00	0.75	0.01	0.00
15	0.03	0.12	e0.13	8.2	e0.01	4.5	3.4	2.0	0.04	0.61	0.00	0.00
16	0.04	0.19	e0.14	9.4	e0.02	4.9	3.0	1.9	e0.73	0.48	0.00	0.00
17	0.05	0.13	e0.15	7.4	e0.50	4.6	2.7	2.3	0.39	0.42	0.00	0.00
18	0.06	0.14	0.17	4.6	e1.0	4.3	2.8	2.2	0.35	0.34	0.00	0.00
19	0.05	0.17	0.47	e4.0	e2.2	4.6	3.0	2.2	0.27	0.24	0.00	0.00
20	0.04	0.21	0.68	4.0	e3.0	4.5	3.1	1.9	0.23	0.15	0.00	0.00
21	0.04	0.19	0.76	4.7	e5.0	4.5	2.6	1.7	0.16	0.14	0.00	0.00
22	0.03	0.16	1.2	4.0	e6.0	4.6	3.3	1.3	0.13	0.19	0.00	0.00
23	0.02	e0.16	1.2	4.2	6.2	5.5	3.7	1.2	0.08	0.19	0.00	0.00
24	0.02	0.21	2.7	4.7	5.8	6.0	5.1	0.94	0.03	0.24	0.00	0.00
25	0.01	0.26	2.2	e4.5	5.5	6.0	5.1	0.71	0.01	0.28	0.00	0.00
26	0.02	0.26	1.6	e4.0	4.4	6.3	4.3	0.58	0.03	0.25	0.00	0.00
27	0.02	0.21	2.4	e3.6	5.0	7.0	3.7	0.50	0.10	0.17	0.00	0.00
28	0.03	0.19	1.7	e3.3	5.3	6.9	3.2	0.34	0.10	0.26	0.00	0.00
29	0.02	0.24	2.2	e1.4	9.6	6.8	3.1	0.26	0.05	0.34	0.00	0.00
30	0.03	0.19	1.8	e0.90	---	6.4	3.6	0.24	0.01	0.60	0.00	0.00
31	0.03	---	1.6	e0.50	---	5.9	---	0.19	---	0.37	0.00	---
MEAN	0.02	0.14	0.74	3.77	2.09	6.33	4.09	1.78	0.11	2.45	0.03	0.00
MAX	0.06	0.26	2.7	9.4	9.6	12	6.0	3.2	0.73	21	0.35	0.00
MIN	0.00	0.03	0.10	0.33	0.00	4.3	2.6	0.19	0.00	0.14	0.00	0.00
AC-FT	1.1	8.6	45	232	120	389	243	109	6.5	150	1.7	0.00

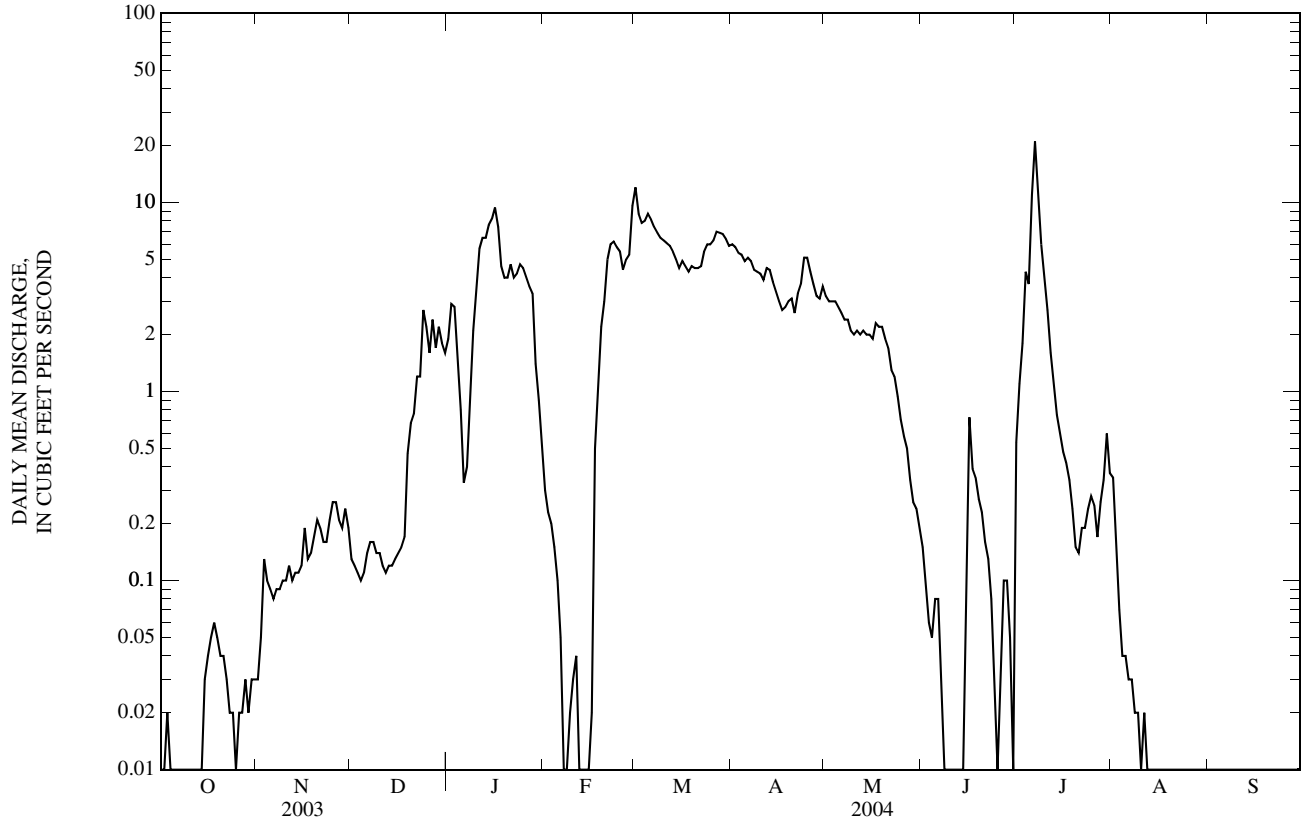
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	7.17	5.34	5.41	5.87	9.42	12.1	12.2	26.7	37.6	30.8	13.9	9.55
MAX	98.5	25.8	22.7	22.0	57.6	91.2	68.8	247	468	539	145	102
(WY)	(1966)	(1994)	(1994)	(1994)	(1966)	(1960)	(1987)	(1995)	(1951)	(1951)	(1968)	(1951)
MIN	0.00	0.00	0.00	0.00	0.22	1.68	3.98	1.78	0.11	0.00	0.00	0.00
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1957)	(1982)	(2004)	(2004)	(1991)	(1964)	(1956)

06871500 BOW CREEK NEAR STOCKTON, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL MEAN	2.26		1.80		13.0	
HIGHEST ANNUAL MEAN					45.5	1993
LOWEST ANNUAL MEAN					1.73	1981
HIGHEST DAILY MEAN	9.7	May 8	21	Jul 7	4,990	Jul 12, 1951
LOWEST DAILY MEAN	0.00	Jul 24	0.00	Oct 1	0.00	Sep 15, 1953
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 24	0.00	Oct 4	0.00	Sep 15, 1953
MAXIMUM PEAK FLOW			65	Jul 7	12,900	Jul 12, 1951
MAXIMUM PEAK STAGE			4.66	Jul 7	13.60	Jul 12, 1951
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	at times
ANNUAL RUNOFF (AC-FT)	1,630		1,310		9,430	
10 PERCENT EXCEEDS	5.5		5.7		18	
50 PERCENT EXCEEDS	1.6		0.23		5.4	
90 PERCENT EXCEEDS	0.00		0.00		0.25	

e Estimated



06872500 NORTH FORK SOLOMON RIVER AT PORTIS, KS

LOCATION.--Lat 39°33'18", long 98°41'31", in SW ¼ SW ¼ SW ¼ sec.5, T.6 S., R.12 W., Osborne County, Hydrologic Unit 10260012, on left bank at downstream side of bridge on U.S. Highway 281, 0.5 mi south of Portis, and at mile 27.0.

DRAINAGE AREA.--2,315 mi^2, approximately.

PERIOD OF RECORD.--September 1945 to current year. Prior to Oct. 1, 1964, published as "near Downs."

GAGE.--Water-stage recorder. Datum of gage is 1,490.71 ft above NGVD of 1929. Prior to Dec. 5, 1946, nonrecording gage and Dec. 5, 1946, to Sept. 30, 1964, water-stage recorder at site 9.0 mi downstream at datum 30.39 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow partially regulated since 1955 by Kirwin Reservoir (station 06871700), 40.8 mi upstream. Natural flow also affected by ground-water withdrawals, diversions for irrigation, and return flow from irrigated areas. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 15, 1915, reached a stage about 1.0 ft higher than that of July 12, 1951, from information by Kansas Highway Commission.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	12	11	14	e12	28	17	13	5.5	11	12	4.3
2	9.9	14	11	14	e12	29	15	12	5.2	14	8.9	2.5
3	9.8	15	11	14	e12	30	14	12	5.0	18	8.4	2.4
4	9.4	13	11	13	e13	30	14	12	5.6	14	10	2.1
5	9.3	12	11	e12	e13	36	14	12	4.7	11	7.1	2.6
6	9.2	11	11	e11	e12	32	14	12	4.0	9.4	7.9	2.8
7	9.1	11	e11	e12	e12	30	14	12	3.9	9.4	15	4.1
8	9.1	11	e11	e13	e12	25	14	11	3.7	118	12	4.0
9	9.2	11	e11	e14	e13	23	14	11	3.1	198	10	4.2
10	9.5	11	e11	e16	e13	20	14	10	1.6	179	6.9	3.8
11	10	11	e10	e17	e14	19	14	10	1.4	84	9.3	3.7
12	9.5	11	e10	e17	e14	18	14	9.0	1.5	32	9.8	3.9
13	9.3	11	e10	e17	e15	17	14	9.9	1.8	16	13	4.1
14	9.7	11	e11	e17	e15	16	14	9.4	2.0	11	13	3.9
15	9.8	12	e12	e17	e16	16	13	9.0	4.1	8.1	11	5.8
16	9.8	12	e12	17	e16	15	13	9.0	5.2	6.7	13	6.0
17	9.3	12	e12	16	e17	15	13	11	6.8	5.7	14	6.5
18	9.3	12	e13	15	e20	14	12	11	11	5.2	11	6.4
19	9.3	12	e13	14	e24	14	12	11	9.0	5.2	14	6.6
20	9.4	12	e13	e15	29	14	11	11	7.7	4.5	11	5.7
21	9.4	11	13	e18	32	13	11	11	6.5	4.3	8.3	5.8
22	10	11	13	e16	27	13	13	11	5.9	4.2	6.4	11
23	10	12	13	e18	e25	13	15	10	6.0	9.3	5.6	36
24	11	12	13	e15	e23	13	16	9.9	6.4	10	5.0	11
25	12	12	14	e14	e22	13	16	9.2	5.9	9.8	6.5	8.7
26	12	12	13	e13	e21	14	15	8.8	4.4	8.0	5.4	6.8
27	12	12	14	e13	20	18	14	7.8	7.8	7.4	4.5	6.3
28	13	11	13	e13	20	21	13	7.2	9.8	15	3.8	7.4
29	13	12	14	e12	24	19	14	6.6	10	9.8	2.9	6.6
30	12	11	14	e12	---	19	14	6.4	8.3	11	2.9	6.3
31	12	---	14	e12	---	19	---	5.9	---	8.9	3.8	---
MEAN	10.2	11.8	12.1	14.5	17.9	19.9	13.8	10.0	5.46	27.7	8.79	6.38
MAX	13	15	14	18	32	36	17	13	11	198	15	36
MIN	9.1	11	10	11	12	13	11	5.9	1.4	4.2	2.9	2.1
AC-FT	627	700	742	895	1,030	1,220	823	617	325	1,700	540	379

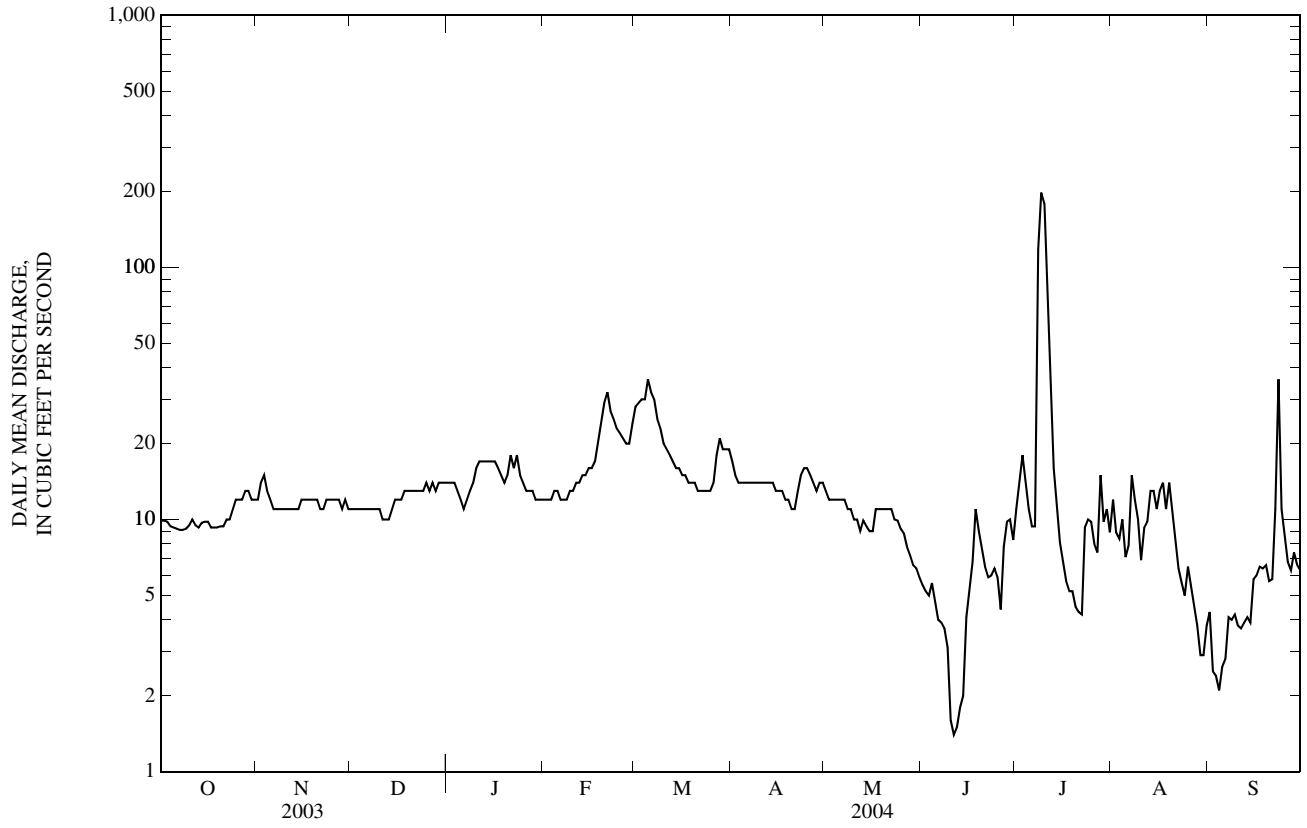
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2004, BY WATER YEAR (WY)

MEAN	69.8	47.7	39.4	44.7	79.9	104	86.6	176	303	233	141	97.3
MAX	686	475	314	399	688	1,043	498	1,416	3,516	4,031	2,247	758
(WY)	(1947)	(1997)	(1994)	(1994)	(1949)	(1993)	(1987)	(1995)	(1951)	(1951)	(1950)	(1951)
MIN	0.65	1.44	2.08	2.19	6.29	9.53	6.81	2.25	5.46	4.03	1.39	0.29
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1956)	(1956)	(1956)	(2004)	(1991)	(1956)	(1956)

06872500 NORTH FORK SOLOMON RIVER AT PORTIS, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1946 - 2004	
ANNUAL MEAN	21.6		13.2		119	
HIGHEST ANNUAL MEAN					855	1951
LOWEST ANNUAL MEAN					13.2	2004
HIGHEST DAILY MEAN	445	May 1	198	Jul 9	32,300	Jul 12, 1951
LOWEST DAILY MEAN	6.0	Aug 26	1.4	Jun 11	0.00	Aug 25, 1956
ANNUAL SEVEN-DAY MINIMUM	7.6	Aug 21	2.2	Jun 8	0.07	Aug 23, 1956
MAXIMUM PEAK FLOW			262	Jul 9	35,700	Jul 12, 1951
MAXIMUM PEAK STAGE			5.89	Jul 9	30.41	Jul 12, 1951
INSTANTANEOUS LOW FLOW			1.2	Jun 11	0.00	at times
ANNUAL RUNOFF (AC-FT)	15,670		9,600		85,930	
10 PERCENT EXCEEDS	30		18		175	
50 PERCENT EXCEEDS	16		12		33	
90 PERCENT EXCEEDS	9.3		5.1		10	

e Estimated



06873000 SOUTH FORK SOLOMON RIVER ABOVE WEBSTER RESERVOIR, KS

LOCATION.--Lat 39°22'27", long 99°34'58", in SW $^1/_4$ NW $^1/_4$ sec.8, T.8 S., R.20 W., Rooks County, Hydrologic Unit 10260013, on right bank 0.4 mi downstream from county highway bridge, 4.0 mi north of Damar, 7 mi downstream from Wild Horse Creek, and 11 mi upstream from Webster Dam.

DRAINAGE AREA.--1,040 mi^2, approximately.

PERIOD OF RECORD.--January 1945 to current year. Prior to October 1953, published as "at Webster."

REVISED RECORDS.--WSP 1440: 1945-48, 1950.

GAGE.--Water-stage recorders. Datum of gage is 1,936.51 ft above NGVD of 1929 (levels by Bureau of Reclamation). Prior to May 17, 1946, nonrecording gage, May 17, 1946, to May 20, 1951, water-stage recorder, and May 21 to Sept. 30, 1951, nonrecording gage, all at site 8.0 mi downstream at datum 94.52 ft lower. Oct. 1, 1951, to May 22, 1952, nonrecording gage at bridge near Stockton, 23 mi downstream, at different datum. May 23, 1952, to May 23, 1954, water-stage recorder at site 8.0 mi downstream at datum 94.52 ft lower. Since July 30, 1980, supplementary water-stage recorder at site 0.4 mi downstream at datum 3.00 ft lower. Satellite telemeter at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow affected by ground-water withdrawals, diversions for irrigation, and return flow from irrigated areas. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1908, 13.4 ft, June 1908, present site and datum, discharge not determined, from information obtained from Kansas Highway Commission.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul 2	0530	*531	*5.32	No peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	2.0	0.54	0.43	0.00	4.6	1.1	0.00
2	0.00	0.00	0.00	0.00	0.00	1.4	0.49	0.44	0.00	163	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	1.3	0.46	0.43	0.00	40	0.31	0.00
4	0.00	0.00	0.00	0.00	0.00	1.6	0.45	0.34	0.00	16	0.19	0.00
5	0.00	0.00	0.00	0.00	0.00	1.6	0.44	0.14	0.00	92	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	1.4	0.46	0.03	0.00	159	0.01	0.00
7	0.00	0.00	0.00	0.00	0.00	1.1	0.46	0.01	0.00	50	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	1.1	0.42	0.00	0.00	23	0.00	0.00
9	0.00	0.00	0.00	0.00	e0.20	1.0	0.50	0.00	0.00	11	0.00	0.00
10	0.00	0.00	0.00	0.00	e0.20	1.1	0.56	0.00	0.00	6.2	0.00	0.00
11	0.00	0.00	0.00	0.00	e0.30	0.89	0.55	0.04	0.00	4.1	0.00	0.00
12	0.00	0.00	0.00	0.00	e0.30	0.79	0.71	0.00	0.00	2.7	0.00	0.00
13	0.00	0.00	0.00	0.00	e0.30	0.91	0.65	0.01	0.00	1.6	0.00	0.00
14	0.00	0.00	0.00	0.00	e0.35	0.78	0.68	0.00	0.00	0.99	0.00	0.00
15	0.00	0.00	0.00	0.10	e0.40	0.86	0.68	0.00	0.00	0.68	0.00	0.00
16	0.00	0.00	0.00	0.76	e0.80	0.84	0.57	0.00	0.00	0.47	0.00	0.00
17	0.00	0.00	0.00	0.46	e1.0	0.85	0.47	0.00	0.00	0.35	0.00	0.00
18	0.00	0.00	0.00	0.36	1.8	0.81	0.46	0.00	0.00	0.17	0.00	0.00
19	0.00	0.00	0.00	0.24	1.8	0.85	0.29	0.00	0.00	0.05	0.00	0.00
20	0.00	0.00	0.00	0.70	1.7	0.72	0.25	0.00	0.00	0.01	0.00	0.00
21	0.00	0.00	0.00	0.69	2.0	0.67	0.01	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	1.0	1.5	0.78	0.13	0.00	0.00	0.37	0.00	0.00
23	0.00	0.00	0.00	0.96	1.4	0.86	0.10	0.00	0.00	7.7	0.00	0.00
24	0.00	0.00	0.00	0.97	1.5	0.79	0.58	0.00	0.00	0.42	0.00	0.00
25	0.00	0.00	0.00	0.88	0.90	0.74	0.72	0.00	0.00	0.19	0.00	0.00
26	0.00	0.00	0.00	0.63	1.3	0.61	0.66	0.00	0.00	0.11	0.00	0.00
27	0.00	0.00	0.00	e0.40	1.2	0.75	0.56	0.00	0.00	0.03	0.00	0.00
28	0.00	0.00	0.00	e0.01	1.3	0.64	0.48	0.00	0.00	0.47	0.00	0.00
29	0.00	0.00	0.00	e0.00	2.2	0.55	0.40	0.00	0.00	1.2	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.51	0.47	0.00	0.00	4.1	0.00	0.00
31	0.00	---	0.00	0.00	---	0.50	---	0.00	---	2.1	0.00	---
MEAN	0.00	0.00	0.00	0.26	0.77	0.95	0.47	0.06	0.00	19.1	0.05	0.00
MAX	0.00	0.00	0.00	1.0	2.2	2.0	0.72	0.44	0.00	163	1.1	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.50	0.01	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	16	45	58	28	3.7	0.00	1,180	3.2	0.00

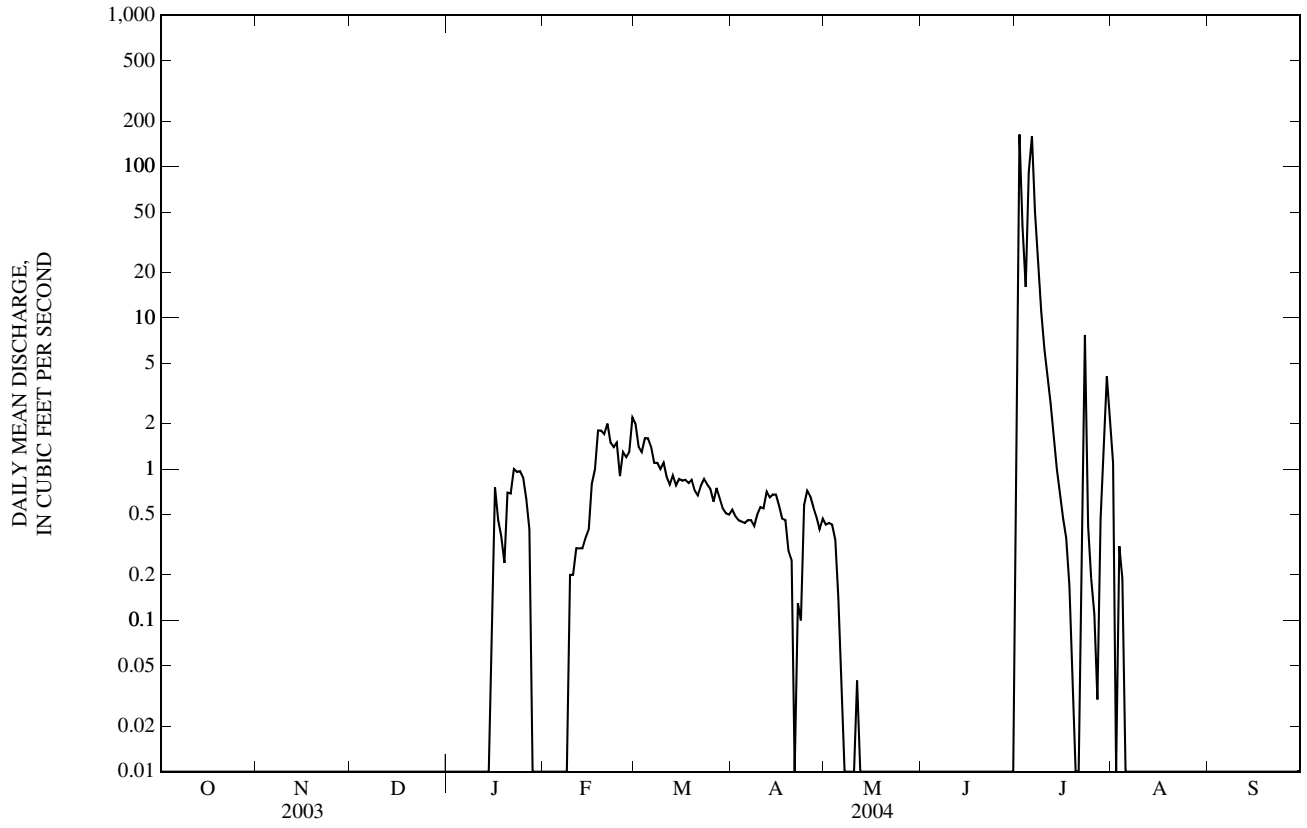
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2004, BY WATER YEAR (WY)

MEAN	33.6	15.8	15.2	17.2	32.1	41.2	44.8	81.5	119	118	60.7	31.6
MAX	1,003	124	84.4	77.1	219	314	174	724	1,767	2,561	1,029	385
(WY)	(1947)	(1947)	(1994)	(1994)	(1949)	(1960)	(1998)	(1995)	(1951)	(1951)	(1950)	(1951)
MIN	0.00	0.00	0.00	0.00	0.02	0.67	0.28	0.06	0.00	0.00	0.00	0.00
(WY)	(1946)	(1946)	(1982)	(1982)	(1992)	(1982)	(1989)	(2004)	(2004)	(1966)	(1946)	(1947)

06873000 SOUTH FORK SOLOMON RIVER ABOVE WEBSTER RESERVOIR, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1946 - 2004	
ANNUAL MEAN	3.17		1.83		51.0	
HIGHEST ANNUAL MEAN					487	1951
LOWEST ANNUAL MEAN					1.59	1991
HIGHEST DAILY MEAN	18	Apr 18	163	Jul 2	35,000	Jul 12, 1951
LOWEST DAILY MEAN	0.00	Jul 3	0.00	Oct 1	0.00	Oct 1, 1945
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 3	0.00	Oct 1	0.00	Oct 1, 1945
MAXIMUM PEAK FLOW			531	Jul 2	55,200	Jul 12, 1951
MAXIMUM PEAK STAGE			5.32	Jul 2	14.90	Jul 12, 1951
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	most years
ANNUAL RUNOFF (AC-FT)	2,290		1,330		36,940	
10 PERCENT EXCEEDS	11		1.1		74	
50 PERCENT EXCEEDS	0.01		0.00		13	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated



06873460 SOUTH FORK SOLOMON RIVER AT WOODSTON, KS

LOCATION.--39°26'23", long 99°06'05", in NE ¼ SE ¼ SE ¼ sec.16, T.7 S., R.16 W., Rooks County, Hydrologic Unit 10260014, on left bank near upstream side of county highway bridge, 0.8 mi south of Woodston, and at mile 64.1.

DRAINAGE AREA.--1,502 mi^2.

PERIOD OF RECORD.--October 1978 to current year.

REVISED RECORDS.--WDR KS-82-1: 1979(M) (monthly runoff), 1980 (monthly runoff).

GAGE.--Water-stage recorder. Datum of gage is 1,660.78 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow moderately regulated since 1956 by Webster Reservoir (station 06873100), 28.3 mi upstream, and Woodston diversion dam, 1.9 mi upstream. Natural flow also affected by ground-water withdrawals and return flow from irrigated areas. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.69	0.72	0.59	0.59	e0.62	3.3	0.94	0.48	0.14	0.55	2.7	1.1
2	0.73	0.82	0.59	0.59	e0.64	1.9	0.83	0.46	0.14	0.68	3.5	1.0
3	0.64	0.75	0.59	0.59	e0.70	1.4	0.73	0.46	0.14	0.55	2.2	0.89
4	0.62	0.69	0.59	0.57	e0.74	1.9	0.75	0.46	0.13	0.52	4.0	0.84
5	0.62	0.66	0.59	e0.56	e0.72	3.5	0.81	0.45	0.15	0.49	5.7	0.84
6	1.5	0.66	0.59	e0.54	e0.68	2.7	0.87	0.43	0.15	0.53	7.4	0.68
7	0.72	0.66	0.60	e0.60	e0.68	1.7	0.85	0.42	0.14	3.3	13	0.62
8	0.61	0.66	0.64	0.92	e0.72	1.4	0.81	0.38	0.12	120	10	0.57
9	0.62	0.66	0.65	0.74	e0.70	1.3	0.76	0.38	0.12	79	5.4	0.52
10	0.63	0.69	0.64	0.70	e0.68	1.2	0.78	0.49	0.13	18	4.0	0.47
11	0.63	0.67	0.65	0.68	e0.70	1.1	0.77	0.45	0.13	7.0	6.8	0.45
12	0.68	0.64	0.63	0.65	e0.70	1.1	0.85	0.39	0.10	3.6	10	0.45
13	0.70	0.65	0.66	0.64	e0.70	1.2	1.0	0.48	0.10	2.4	9.9	0.42
14	0.68	0.64	0.64	0.65	e0.72	1.0	0.97	0.42	0.09	1.9	9.1	0.40
15	0.70	0.60	0.62	0.65	e0.74	1.0	0.91	0.38	0.17	1.7	9.6	0.65
16	0.71	0.60	0.61	0.66	0.79	0.93	0.76	0.39	0.25	1.6	8.3	0.52
17	0.66	0.62	0.61	0.63	0.82	0.90	0.67	0.46	0.41	1.4	5.6	0.45
18	0.59	0.59	0.60	0.60	0.86	0.89	0.64	0.39	0.64	1.3	3.7	0.41
19	0.57	0.59	0.57	0.60	0.88	0.87	0.63	0.37	0.42	1.1	3.6	0.38
20	0.56	0.60	0.54	0.62	0.82	0.84	0.59	0.32	0.36	1.0	20	0.37
21	0.59	0.62	0.54	0.67	0.79	0.75	0.55	0.30	0.34	22	14	0.37
22	0.66	0.60	0.54	0.65	0.77	0.76	0.60	0.26	0.30	58	9.3	0.53
23	0.70	0.61	0.54	0.66	0.72	0.80	0.56	0.23	0.28	20	6.6	0.79
24	0.69	0.62	0.53	0.66	0.72	0.88	0.68	0.22	0.25	3.1	4.8	0.54
25	0.71	0.61	0.54	0.74	0.72	0.87	0.68	0.22	0.27	6.3	3.7	0.48
26	0.73	0.59	0.55	0.66	0.71	0.85	0.79	0.22	0.30	12	2.8	0.46
27	0.77	0.59	0.55	e0.64	0.72	1.3	0.58	0.20	0.69	13	2.0	0.55
28	0.74	0.59	0.58	e0.62	0.72	1.4	0.51	0.19	0.49	4.7	1.6	0.63
29	0.77	0.59	0.58	e0.60	1.6	1.5	0.49	0.18	0.38	9.2	1.5	0.62
30	0.73	0.59	0.58	e0.60	---	1.2	0.53	0.17	0.36	13	1.3	0.58
31	0.72	---	0.59	e0.60	---	1.0	---	0.15	---	9.7	1.1	---
MEAN	0.70	0.64	0.59	0.64	0.76	1.34	0.73	0.35	0.26	13.5	6.23	0.59
MAX	1.5	0.82	0.66	0.92	1.6	3.5	1.0	0.49	0.69	120	20	1.1
MIN	0.56	0.59	0.53	0.54	0.62	0.75	0.49	0.15	0.09	0.49	1.1	0.37
AC-FT	43	38	36	39	44	82	43	21	15	828	383	35

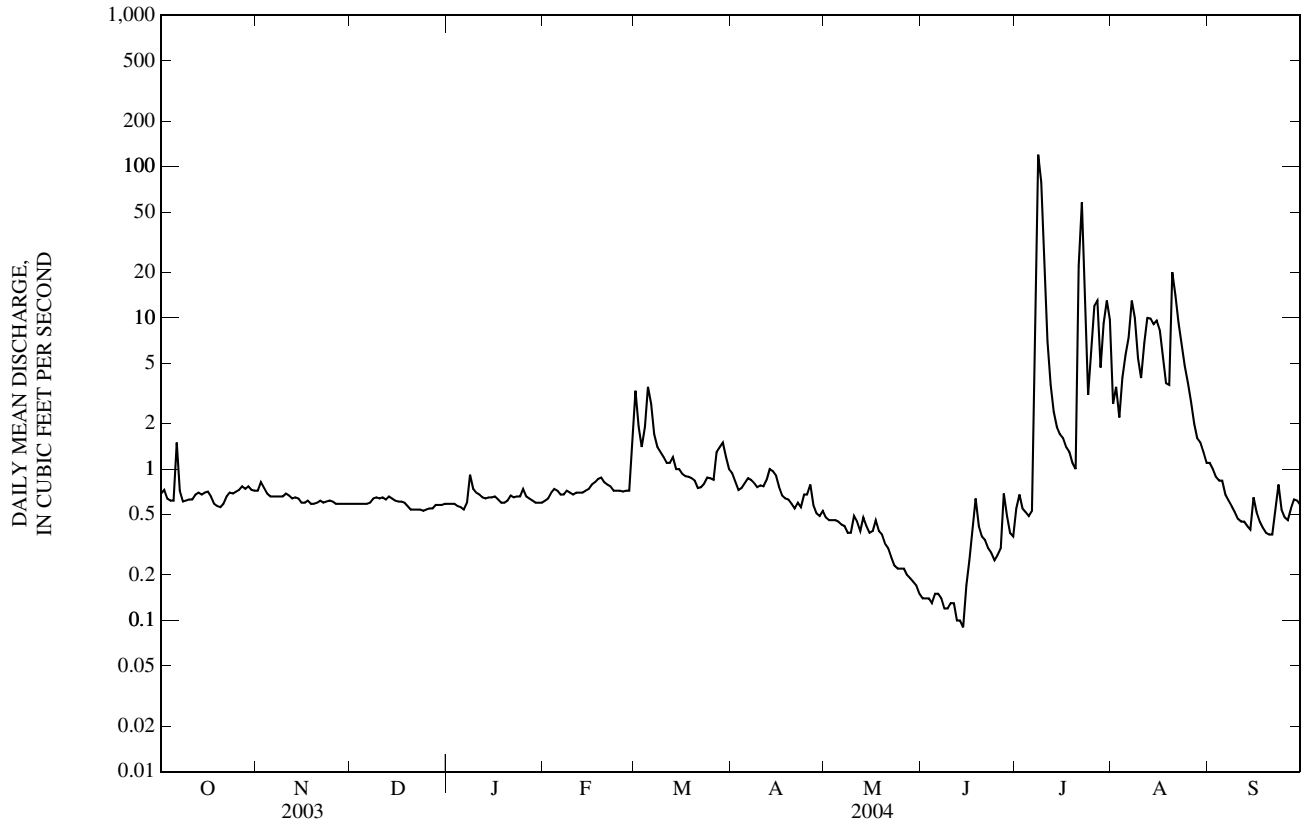
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

MEAN	15.4	20.4	29.7	21.3	28.2	43.9	65.0	75.1	58.8	121	41.9	17.9
MAX	186	240	541	228	271	282	663	723	862	1,742	346	161
(WY)	(1994)	(1994)	(1994)	(1994)	(1994)	(1994)	(1987)	(1995)	(1995)	(1993)	(1993)	(1993)
MIN	0.01	0.05	0.11	0.05	0.62	0.42	0.36	0.31	0.10	0.08	0.14	0.10
(WY)	(1979)	(1982)	(1982)	(1982)	(1992)	(1982)	(1982)	(1982)	(1981)	(1981)	(1981)	(1981)

06873460 SOUTH FORK SOLOMON RIVER AT WOODSTON, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL MEAN	3.45		2.22		45.0	
HIGHEST ANNUAL MEAN					248	1993
LOWEST ANNUAL MEAN					0.59	1981
HIGHEST DAILY MEAN	48	Aug 19	120	Jul 8	7,260	Jul 21, 1993
LOWEST DAILY MEAN	0.53	Dec 24	0.09	Jun 14	0.00	Oct 1, 1978
ANNUAL SEVEN-DAY MINIMUM	0.54	Dec 20	0.11	Jun 8	0.00	Oct 6, 1978
MAXIMUM PEAK FLOW			269	Jul 8	8,710	Jul 21, 1993
MAXIMUM PEAK STAGE			7.41	Jul 8	22.89	Jul 21, 1993
INSTANTANEOUS LOW FLOW			0.07	Jun 14	0.00	Oct 1, 1979
ANNUAL RUNOFF (AC-FT)	2,500		1,610		32,630	
10 PERCENT EXCEEDS	9.5		3.6		88	
50 PERCENT EXCEEDS	1.6		0.66		5.8	
90 PERCENT EXCEEDS	0.61		0.37		0.47	

e Estimated



06874000 SOUTH FORK SOLOMON RIVER AT OSBORNE, KS

LOCATION.--Lat 39°25'43", long 98°41'40", in SW ¼ NW ¼ SW ¼ sec.20, T.7 S., R.12 W., Osborne County, Hydrologic Unit 10260014, on right bank at downstream side of bridge on U.S. Highway 281, 0.5 mi south of Osborne, 0.6 mi downstream from Covert Creek, and at mile 27.6.

DRAINAGE AREA.--2,012 mi^2.

PERIOD OF RECORD.--March 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,505.09 ft above NGVD of 1929. Prior to Dec. 12, 1946, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow moderately regulated since 1956 by Webster Reservoir (station 06873100), 64.8 mi upstream. Diversions upstream from station for irrigation. Occasional low-water regulation by Osborne city reservoir, 1.5 mi upstream. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	8.7	10	e6.5	e7.0	15	9.5	9.0	4.7	7.0	14	4.6
2	7.9	11	10	e5.6	e7.0	14	9.1	8.7	4.5	11	13	5.2
3	7.8	11	10	e5.2	e7.0	13	8.9	8.1	4.5	4.4	9.4	4.9
4	7.4	12	10	e5.0	e8.0	14	8.8	7.8	4.4	5.7	7.1	4.6
5	7.2	11	10	e5.5	e9.0	21	8.8	7.6	7.0	6.4	6.7	4.8
6	7.2	9.2	e7.0	e7.0	e8.5	18	8.7	7.3	5.5	9.5	6.8	4.4
7	7.1	9.1	e7.5	e8.4	e8.0	16	9.5	7.0	5.5	69	7.0	4.6
8	7.3	9.3	e7.0	e9.0	e9.0	13	9.4	7.2	5.0	108	6.8	4.4
9	7.7	9.3	e6.5	e9.4	e9.5	12	9.6	6.9	4.1	272	7.9	4.0
10	7.7	9.7	e6.0	e9.6	e9.5	11	9.6	6.9	3.0	140	8.1	4.3
11	8.5	9.4	e5.5	e9.6	e9.5	9.9	9.4	7.2	2.7	69	8.2	3.6
12	8.3	10	e5.0	e9.6	e10	9.5	9.3	7.0	3.2	32	7.2	3.5
13	8.1	10	e5.0	e9.8	e11	9.5	9.2	7.4	3.3	22	6.8	3.5
14	7.8	10	e5.2	e9.8	e13	9.3	9.1	7.3	3.1	16	6.6	3.3
15	8.0	10	e5.4	e10	e14	9.5	8.7	7.6	4.4	13	6.1	4.1
16	7.9	10	e5.6	e11	e15	9.1	8.6	7.3	3.6	11	7.0	3.5
17	8.1	10	e5.8	12	e17	9.0	8.3	7.9	4.0	10	8.3	3.6
18	8.4	10	e6.0	11	21	8.6	8.2	7.9	10	9.8	7.6	3.5
19	9.0	9.7	e6.2	8.5	23	8.9	8.1	7.8	5.3	9.1	9.3	3.4
20	7.6	10	e7.0	10	22	8.4	8.0	7.4	5.2	8.1	8.9	3.1
21	7.7	10	e9.0	12	18	7.7	7.8	7.2	5.0	8.1	7.6	2.9
22	7.8	10	11	11	16	7.9	8.4	7.0	4.2	8.0	8.6	6.0
23	7.8	11	10	9.9	14	7.9	8.7	6.6	3.9	8.2	11	42
24	8.7	8.3	9.8	11	12	7.7	9.9	6.2	3.4	48	9.6	13
25	8.1	12	10	e12	12	7.7	9.5	5.9	3.3	28	8.5	7.9
26	8.4	11	10	13	11	7.8	9.2	5.8	3.4	15	8.3	5.7
27	9.0	11	11	11	11	9.8	8.5	5.7	49	10	7.2	5.1
28	9.6	9.8	10	e9.5	12	12	8.0	5.5	24	11	6.4	5.2
29	9.5	10	8.8	e8.0	13	11	7.8	5.1	7.8	33	5.3	5.2
30	9.4	10	e8.0	e7.5	---	9.8	8.6	5.0	6.2	34	5.0	5.2
31	7.5	---	e7.0	e7.0	---	9.5	---	4.9	---	16	4.5	---
MEAN	8.08	10.1	7.91	9.17	12.3	10.9	8.84	6.97	6.77	33.9	7.90	5.97
MAX	9.6	12	11	13	23	21	9.9	9.0	49	272	14	42
MIN	7.1	8.3	5.0	5.0	7.0	7.7	7.8	4.9	2.7	4.4	4.5	2.9
AC-FT	497	600	487	564	708	669	526	429	403	2,090	486	355

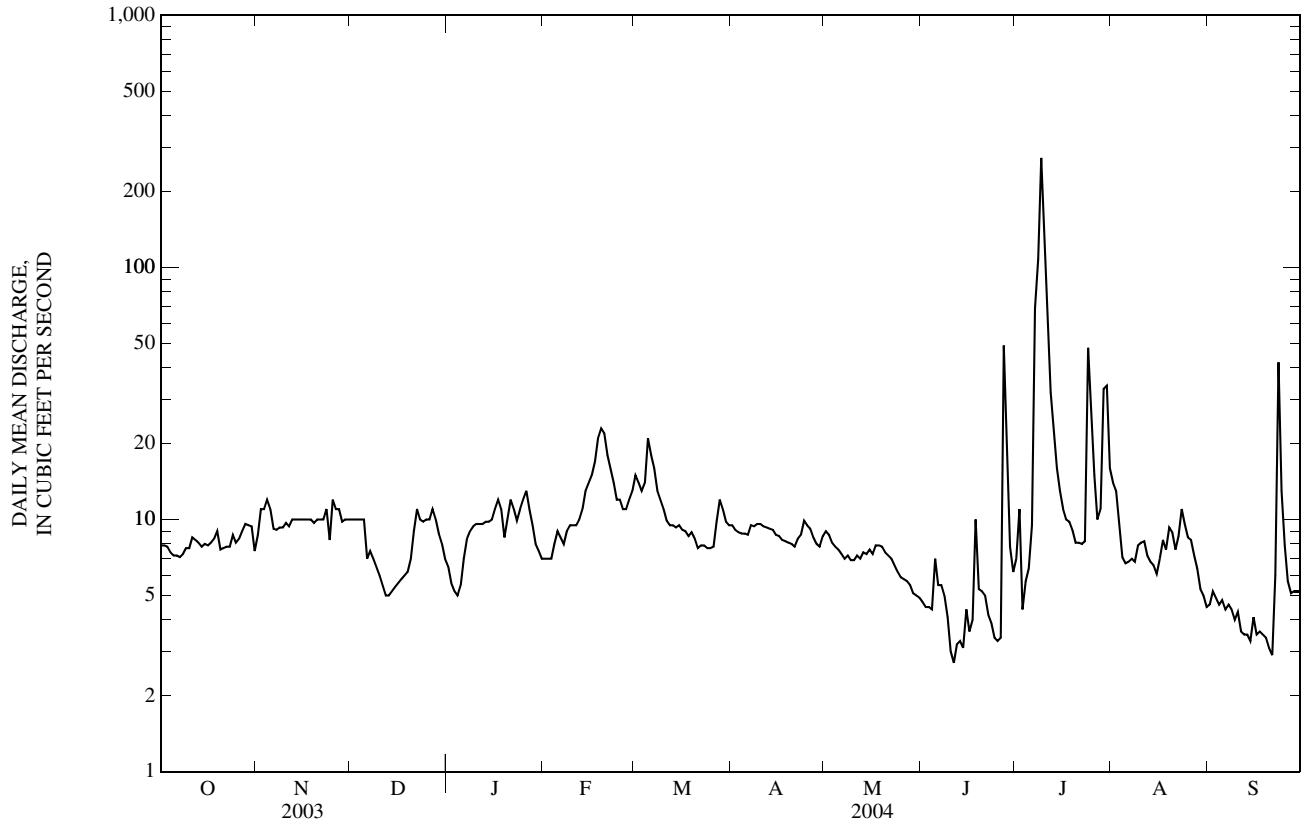
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2004, BY WATER YEAR (WY)

MEAN	59.1	42.8	39.4	37.8	61.1	91.2	115	150	239	296	109	69.6
MAX	792	353	630	342	487	644	1,437	1,158	3,675	5,193	1,666	708
(WY)	(1947)	(1997)	(1994)	(1994)	(1949)	(1993)	(1987)	(1995)	(1951)	(1951)	(1950)	(1951)
MIN	0.21	0.36	1.05	1.22	2.70	4.77	6.01	6.97	5.24	1.74	0.75	0.28
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1957)	(1972)	(2004)	(1981)	(1955)	(1978)	(1956)

06874000 SOUTH FORK SOLOMON RIVER AT OSBORNE, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1947 - 2004	
ANNUAL MEAN	12.1		10.8		109	
HIGHEST ANNUAL MEAN					994	1951
LOWEST ANNUAL MEAN					9.27	1991
HIGHEST DAILY MEAN	160	Sep 12	272	Jul 9	53,500	Jul 12, 1951
LOWEST DAILY MEAN	5.0	Dec 12	2.7	Jun 11	0.00	Sep 24, 1984
ANNUAL SEVEN-DAY MINIMUM	5.4	Dec 11	3.3	Jun 10	0.17	Sep 11, 1981
MAXIMUM PEAK FLOW			430	Jul 7	81,200	Jul 13, 1951
MAXIMUM PEAK STAGE			7.70	Jul 7	28.33	Jul 21, 1993
INSTANTANEOUS LOW FLOW			2.2	Jun 11	0.00	many years
ANNUAL RUNOFF (AC-FT)	8,770		7,810		79,270	
10 PERCENT EXCEEDS	15		13		188	
50 PERCENT EXCEEDS	11		8.4		22	
90 PERCENT EXCEEDS	7.4		4.6		5.6	

e Estimated



06875900 SOLOMON RIVER NEAR GLEN ELDER, KS

LOCATION.--Lat 39°28'26", long 98°17'00", in SE ¼ SE ¼ NE ¼ sec.2, T.7 S., R.9 W., Mitchell County, Hydrologic Unit 10260015, on right bank, 3.6 mi downstream from Glen Elder Dam, 2.0 mi southeast of Glen Elder, and at mile 168.8.

DRAINAGE AREA.--5,340 mi^2.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Concrete control since Mar. 4, 1970. Datum of gage is 1,374.13 ft above NGVD of 1929 (levels by Bureau of Reclamation).

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow mostly regulated since 1967 by Waconda Lake (station 06874200), which in turn is moderately regulated since 1955 by Kirwin Reservoir (station 06871700), and since 1956 by Webster Reservoir (station 06873100). Large diversions downstream from Kirwin and Webster Reservoirs and many small diversions upstream from Waconda Lake for irrigation. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	20	20	20	e14	16	14	16	36	56	47	72
2	21	20	20	20	14	15	14	16	37	39	58	67
3	21	20	20	20	14	15	14	15	43	19	66	61
4	21	20	20	20	15	16	14	16	49	16	74	45
5	21	20	20	20	16	20	14	16	52	19	81	46
6	21	20	20	e19	16	18	14	17	53	107	99	46
7	21	20	20	19	15	16	14	21	55	59	109	46
8	21	20	20	20	16	15	14	22	62	184	109	46
9	21	20	e20	19	15	15	14	24	61	253	108	46
10	21	20	20	19	15	15	14	24	59	46	90	49
11	21	20	20	19	15	14	14	24	56	21	66	56
12	20	20	20	19	15	14	14	24	57	19	60	54
13	21	20	20	19	15	14	14	24	58	26	65	52
14	20	20	20	18	15	14	14	24	61	27	71	53
15	20	20	20	18	15	15	14	24	57	25	83	47
16	20	20	20	18	15	14	14	24	52	32	86	38
17	20	20	20	18	15	14	14	24	47	50	85	31
18	20	20	20	18	15	14	14	24	35	59	81	24
19	20	20	20	18	15	14	12	24	26	64	61	24
20	20	20	20	18	16	14	1.8	23	24	67	45	20
21	20	20	20	17	16	14	1.4	25	26	70	39	15
22	20	20	20	14	16	14	15	38	37	61	65	16
23	20	20	20	14	15	14	16	39	40	43	64	17
24	20	20	20	14	15	14	16	29	59	42	64	15
25	20	20	20	14	15	14	15	18	55	29	64	15
26	20	20	20	14	15	14	15	18	46	16	67	15
27	20	20	20	15	15	16	15	18	41	16	60	15
28	20	20	20	15	15	15	15	22	34	17	51	15
29	20	20	20	15	16	14	16	36	37	25	51	15
30	20	20	20	15	---	14	16	36	48	41	73	15
31	20	---	20	e14	---	14	---	36	---	40	74	---
MEAN	20.4	20.0	20.0	17.4	15.1	14.8	13.5	23.9	46.8	51.2	71.5	35.9
MAX	21	20	20	20	16	20	16	39	62	253	109	72
MIN	20	20	20	14	14	14	1.4	15	24	16	39	15
AC-FT	1,250	1,190	1,230	1,070	871	910	806	1,470	2,780	3,150	4,400	2,130

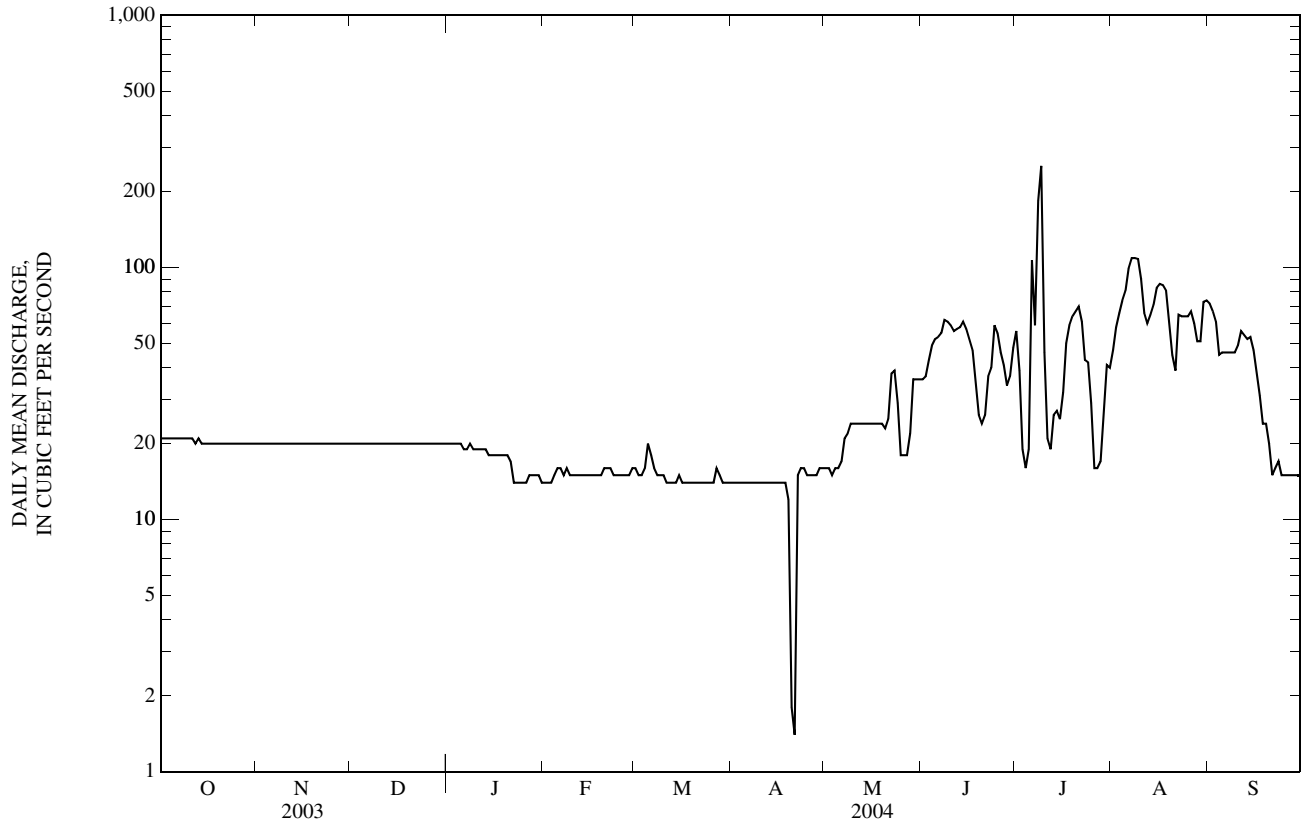
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

MEAN	165	179	184	149	169	224	216	277	348	336	294	199
MAX	3,047	2,983	2,315	2,220	1,472	1,680	1,635	1,939	2,092	2,096	3,083	3,148
(WY)	(1994)	(1994)	(1994)	(1994)	(1994)	(1993)	(1993)	(1987)	(1995)	(1993)	(1993)	(1993)
MIN	11.3	7.70	1.10	8.00	11.7	8.98	9.60	15.0	16.5	28.0	26.1	18.3
(WY)	(1970)	(1972)	(1969)	(1976)	(1978)	(1971)	(1971)	(1970)	(1981)	(1969)	(1969)	(1970)

06875900 SOLOMON RIVER NEAR GLEN ELDER, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL MEAN	33.7		29.3		229	
HIGHEST ANNUAL MEAN					1,369	1994
LOWEST ANNUAL MEAN					18.4	1970
HIGHEST DAILY MEAN	728	Sep 11	253	Jul 9	7,210	Jul 22, 1993
LOWEST DAILY MEAN	16	Jan 1	1.4	Apr 21	0.32	Nov 22, 1971
ANNUAL SEVEN-DAY MINIMUM	16	Jan 1	10	Apr 15	0.62	Dec 13, 1968
MAXIMUM PEAK FLOW			413	Jul 9	9,410	Jul 22, 1993
MAXIMUM PEAK STAGE			9.85	Jul 9	29.57	Jul 22, 1993
INSTANTANEOUS LOW FLOW			0.47	Apr 21	0.32	Nov 22, 1971
ANNUAL RUNOFF (AC-FT)	24,380		21,260		165,600	
10 PERCENT EXCEEDS	87		60		560	
50 PERCENT EXCEEDS	20		20		51	
90 PERCENT EXCEEDS	17		14		15	

e Estimated



06876070 SOLOMON RIVER NEAR SIMPSON, KS

LOCATION.--Lat 39°22'06", long 97°55'45", in SW ¼ NW ¼ SW ¼ sec.7, T.8 S., R.5 W., Cloud County, Hydrologic Unit 10260015, on right bank at downstream side of county highway bridge, 1.0 mi south of Simpson, and at mile 115.4.

DRAINAGE AREA.--5,538 mi^2.

PERIOD OF RECORD.--October 1990 to current year.

REVISED RECORDS.--WDR KS-92-1: 1991.

GAGE.--Water-stage recorder. Datum of gage is 1,334.26 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow mostly regulated since 1967 by Waconda Lake (station 06874200), 57.0 mi upstream. Many small diversions upstream from station. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1951 reached a gage height of 42.2 ft, from floodmark on house on left downstream side of bridge, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	30	30	26	22	31	27	22	35	32	56	43
2	32	31	30	28	23	34	25	22	32	212	50	46
3	32	34	31	29	24	32	23	22	30	276	43	47
4	31	36	31	22	24	31	23	22	28	158	41	47
5	31	31	31	20	21	197	22	22	29	86	40	46
6	31	29	30	e21	22	250	23	21	31	991	35	40
7	30	28	30	23	23	118	24	21	35	1,330	32	39
8	30	28	29	26	24	66	25	19	36	2,150	46	34
9	31	28	33	28	24	42	26	20	32	2,240	76	32
10	30	28	25	28	26	35	24	24	33	1,760	87	29
11	31	29	33	29	26	31	24	24	30	499	93	33
12	32	30	28	29	26	29	24	29	30	135	85	37
13	32	30	33	28	26	28	24	29	30	74	65	45
14	31	30	33	30	25	28	24	26	28	48	51	47
15	30	49	34	27	26	29	24	27	31	42	59	51
16	29	26	34	30	25	29	24	27	33	39	62	49
17	29	21	31	30	25	29	24	26	40	36	72	49
18	29	30	34	e27	25	28	22	26	45	32	75	41
19	29	32	30	24	26	27	22	26	45	36	78	38
20	30	42	31	e25	29	27	22	27	37	38	87	30
21	30	40	32	26	30	27	21	27	28	37	71	28
22	29	24	29	26	34	26	22	27	23	53	49	29
23	29	18	29	27	35	26	19	26	20	100	40	41
24	30	26	28	29	31	27	18	31	18	80	55	48
25	31	28	27	26	29	27	19	38	26	54	59	31
26	30	28	28	19	25	27	24	36	30	52	58	24
27	29	31	28	20	28	30	23	28	69	46	57	23
28	30	30	30	e20	26	74	21	19	67	33	59	23
29	30	30	28	20	29	161	21	16	63	508	54	23
30	30	30	27	21	---	69	22	18	38	111	43	22
31	30	---	27	22	---	36	---	27	---	55	34	---
MEAN	30.3	30.2	30.1	25.4	26.2	53.3	22.9	25.0	35.1	366	58.5	37.2
MAX	32	49	34	30	35	250	27	38	69	2,240	93	51
MIN	29	18	25	19	21	26	18	16	18	32	32	22
AC-FT	1,860	1,800	1,850	1,560	1,510	3,270	1,360	1,540	2,090	22,500	3,590	2,210

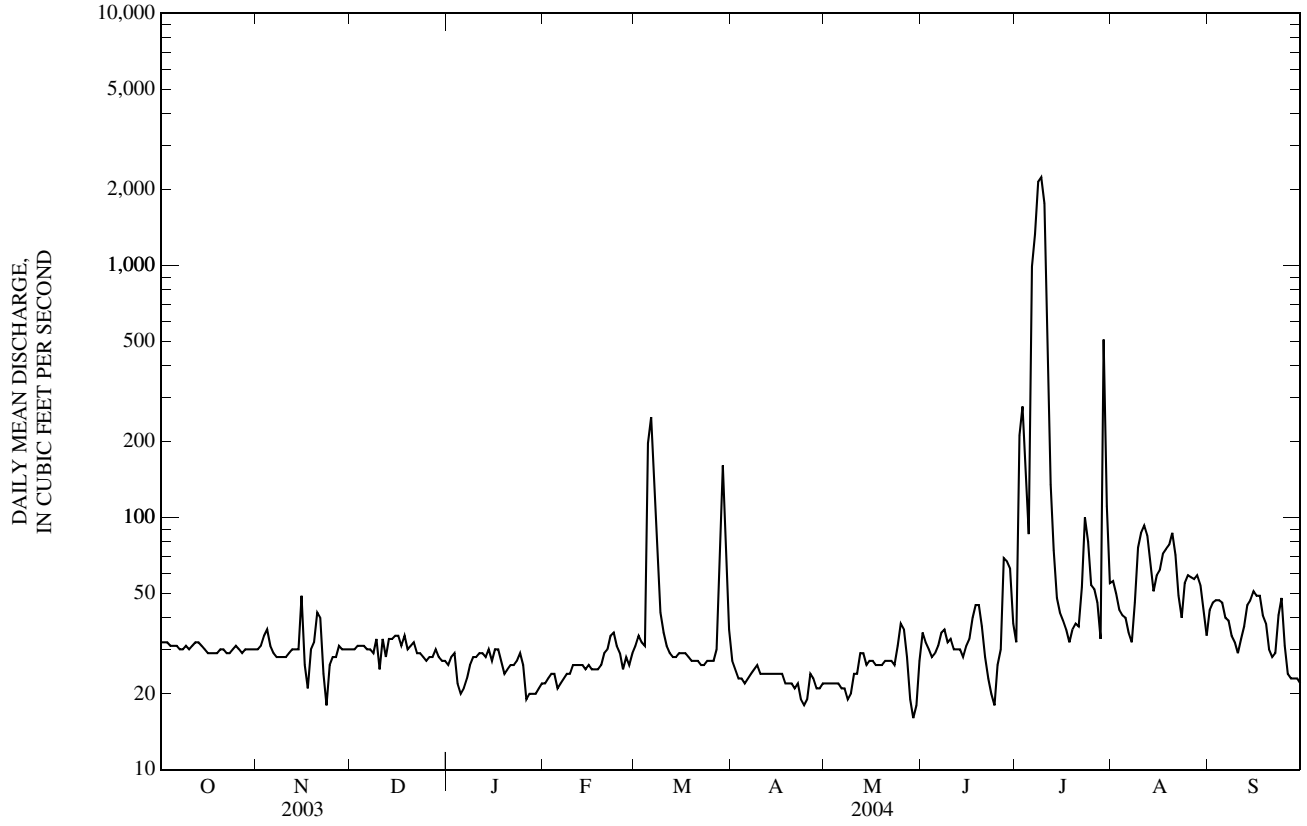
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	288	337	397	336	340	401	334	427	528	747	575	394
MAX	3,108	3,055	2,519	2,374	1,574	1,924	1,820	1,395	2,133	5,033	3,671	3,368
(WY)	(1994)	(1994)	(1994)	(1994)	(1994)	(1993)	(1993)	(1993)	(1995)	(1993)	(1993)	(1993)
MIN	23.0	25.0	24.6	22.3	22.2	22.7	22.9	19.1	32.2	32.8	27.8	28.3
(WY)	(1992)	(1992)	(2003)	(2001)	(1992)	(1992)	(2004)	(1992)	(1991)	(2000)	(2000)	(2002)

06876070 SOLOMON RIVER NEAR SIMPSON, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1991 - 2004	
ANNUAL MEAN	88.9		62.2		426	
HIGHEST ANNUAL MEAN					1,694	1993
LOWEST ANNUAL MEAN					62.2	2004
HIGHEST DAILY MEAN	9,970	Sep 11	2,240	Jul 9	10,200	Jul 8, 1993
LOWEST DAILY MEAN	14	Feb 26	16	May 29	2.1	Jun 26, 1991
ANNUAL SEVEN-DAY MINIMUM	16	Feb 24	20	Apr 19	5.4	Jun 21, 1991
MAXIMUM PEAK FLOW			2,600	Jul 8	14,700	Sep 11, 2003
MAXIMUM PEAK STAGE			16.96	Jul 8	33.64	Sep 11, 2003
INSTANTANEOUS LOW FLOW			11	Dec 10	0.78	Jun 27, 1991
ANNUAL RUNOFF (AC-FT)	64,390		45,140		308,900	
10 PERCENT EXCEEDS	48		62		1,100	
50 PERCENT EXCEEDS	29		30		92	
90 PERCENT EXCEEDS	22		22		24	

e Estimated



06876700 SALT CREEK NEAR ADA, KS

LOCATION.--Lat 39°08'21", long 97°50'12", in NW $^1/_4$ NW $^1/_4$ SW $^1/_4$ sec.36, T.10 S., R.5 W., Ottawa County, Hydrologic Unit 10260015, on left bank at downstream side of county highway bridge, 3.0 mi southeast of Ada, and at mile 19.4.

DRAINAGE AREA.--384 mi^2, approximately.

PERIOD OF RECORD.--June 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,247.18 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1942 reached a stage of about 21 ft, from information by local residents.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 580 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul 11	0330	*906	*15.25	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	4.1	5.1	6.2	e5.4	12	34	6.1	2.8	120	95	1.4
2	9.6	4.3	5.2	6.1	e5.3	14	24	6.3	2.7	195	66	1.2
3	8.6	5.1	5.5	5.8	e5.2	14	18	5.8	2.5	51	33	1.1
4	8.2	15	5.4	5.3	e5.2	31	15	6.1	2.2	188	19	1.0
5	7.9	11	5.0	e4.5	e5.4	138	14	6.4	2.3	200	12	1.3
6	7.2	8.7	5.0	e4.0	e5.4	84	12	6.0	2.4	130	8.2	1.3
7	6.3	6.6	5.0	e3.4	e5.2	82	11	5.4	2.4	119	6.6	1.4
8	5.8	5.8	5.2	e4.0	e5.4	73	11	4.9	6.4	362	5.4	1.2
9	5.9	5.6	5.7	e4.5	e5.6	45	9.5	4.9	3.9	623	5.1	0.94
10	5.6	5.4	5.8	5.4	e5.8	33	9.3	6.4	2.6	832	5.4	0.89
11	5.6	5.3	6.1	5.5	e6.0	26	8.9	7.3	2.1	876	4.2	0.91
12	4.8	5.3	5.7	5.6	e5.8	22	8.7	6.5	1.7	743	4.0	0.91
13	4.9	5.2	6.0	5.5	e5.8	19	8.2	6.2	1.5	515	3.5	0.86
14	5.1	5.0	6.3	5.5	e6.0	16	7.9	5.8	1.5	294	3.3	0.72
15	5.0	4.7	6.3	5.6	e5.8	15	8.0	5.4	1.7	187	3.1	0.73
16	4.3	4.8	6.7	6.8	e6.6	14	8.1	5.1	1.6	135	2.8	0.80
17	4.2	4.8	6.4	7.0	e7.6	13	7.7	4.7	1.4	105	2.6	0.80
18	4.7	4.9	6.4	7.0	8.5	12	6.9	4.5	1.9	70	2.4	0.84
19	4.5	5.3	6.9	6.4	11	33	6.1	5.1	2.1	50	2.7	1.7
20	4.5	5.6	7.4	6.8	16	31	6.1	4.2	2.5	36	3.0	1.5
21	4.2	5.2	7.7	6.4	15	19	5.9	4.1	2.3	27	15	1.2
22	3.7	4.9	8.6	6.4	19	14	6.0	3.7	3.3	19	31	1.0
23	3.7	4.4	8.4	6.2	24	12	6.4	3.7	3.2	12	43	1.2
24	3.7	4.4	7.7	6.1	20	11	6.9	3.9	2.6	13	29	1.2
25	3.7	4.8	7.5	5.9	16	9.7	7.0	3.7	3.5	25	25	7.3
26	3.5	4.9	7.4	e6.0	13	9.6	7.6	3.6	2.0	73	22	6.6
27	3.3	4.9	7.4	e5.8	10	10	7.4	3.4	5.2	59	16	2.6
28	3.3	4.8	6.4	e5.7	9.8	11	7.3	3.2	3.6	38	5.8	1.8
29	3.6	4.9	6.4	e5.6	9.6	28	6.1	3.0	80	178	2.8	1.5
30	3.6	5.1	6.2	e5.4	---	101	5.7	3.0	84	108	2.0	1.3
31	3.9	---	6.2	e5.4	---	59	---	2.9	---	91	1.5	---
MEAN	5.29	5.69	6.35	5.67	9.29	32.6	10.0	4.88	7.93	209	15.5	1.57
MAX	11	15	8.6	7.0	24	138	34	7.3	84	876	95	7.3
MIN	3.3	4.1	5.0	3.4	5.2	9.6	5.7	2.9	1.4	12	1.5	0.72
AC-FT	325	339	391	349	534	2,010	596	300	472	12,840	953	94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2004, BY WATER YEAR (WY)

MEAN	39.5	26.6	20.2	23.6	42.9	100	97.5	136	94.2	134	33.4	46.1
MAX	827	216	203	277	495	899	898	1,201	578	2,595	292	677
(WY)	(1974)	(1999)	(1974)	(1974)	(1993)	(1973)	(1987)	(1995)	(1993)	(1993)	(1993)	(1973)
MIN	0.01	0.13	0.39	1.14	1.71	1.25	3.61	1.62	0.48	0.20	0.05	0.43
(WY)	(1967)	(1967)	(1967)	(1967)	(1967)	(1967)	(1992)	(1967)	(1966)	(1970)	(1970)	(1991)

06876700 SALT CREEK NEAR ADA, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1960 - 2004	
ANNUAL MEAN	31.3		26.4		66.4	
HIGHEST ANNUAL MEAN					469	1993
LOWEST ANNUAL MEAN					3.81	1966
HIGHEST DAILY MEAN	1,980	Sep 13	876	Jul 11	10,400	May 23, 1961
LOWEST DAILY MEAN	0.25	Aug 17	0.72	Sep 14	0.00	Jul 21, 1964
ANNUAL SEVEN-DAY MINIMUM	0.28	Aug 12	0.81	Sep 12	0.00	Aug 5, 1964
MAXIMUM PEAK FLOW			906	Jul 11	16,000	May 23, 1961
MAXIMUM PEAK STAGE			15.25	Jul 11	23.25	May 23, 1961
INSTANTANEOUS LOW FLOW			0.66	Sep 14	0.00	many years
ANNUAL RUNOFF (AC-FT)	22,660		19,200		48,090	
10 PERCENT EXCEEDS	11		40		98	
50 PERCENT EXCEEDS	4.0		5.8		11	
90 PERCENT EXCEEDS	0.39		2.0		1.5	

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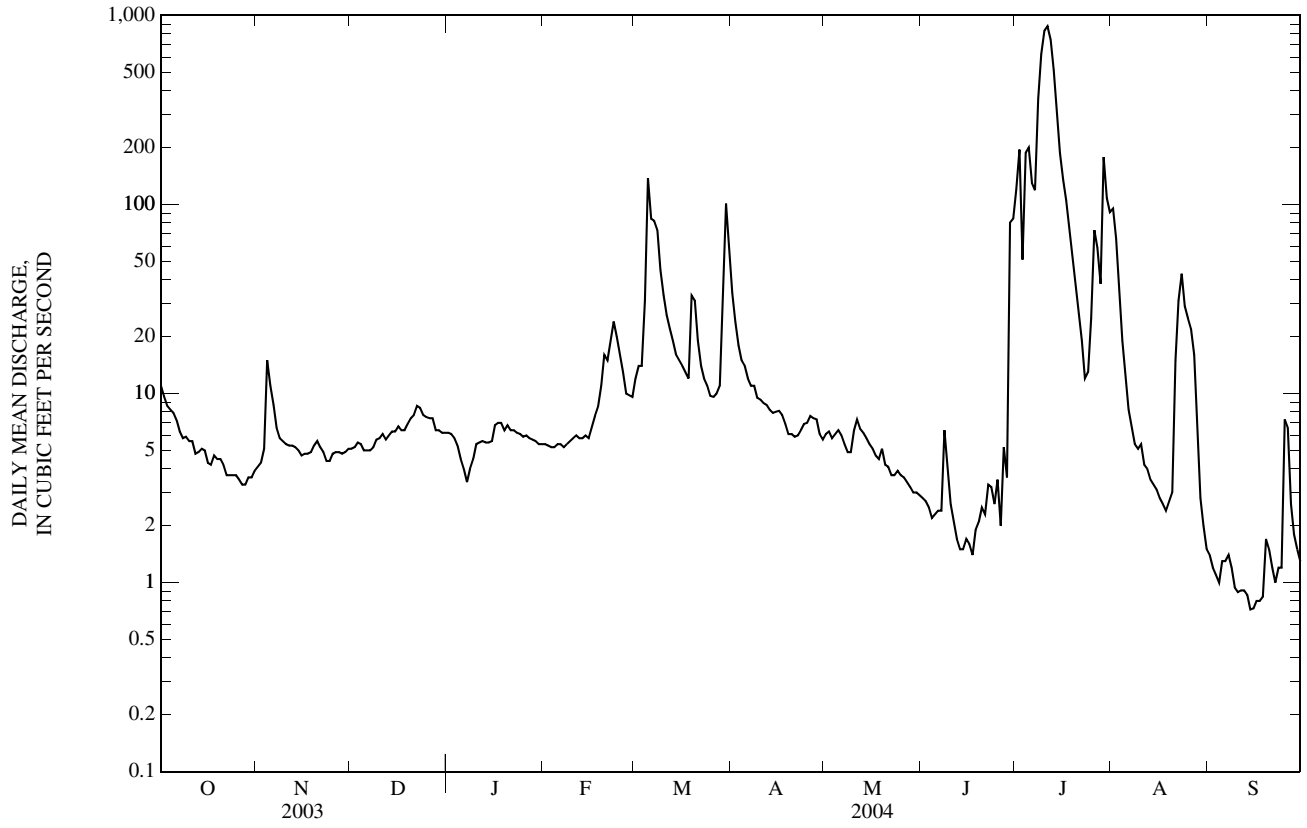

06876900 SOLOMON RIVER AT NILES, KS

LOCATION.--Lat 38°58'09", long 97°28'37", in NW ¼ SE ¼ NW ¼ sec.31, T.12 S., R.1 W., Ottawa County, Hydrologic Unit 10260015, on right bank at downstream side of county highway bridge, 0.8 mi west of Niles, and at mile 21.6.

DRAINAGE AREA.--6,770 mi^2, approximately.

PERIOD OF RECORD.--May 1897 to November 1903, October 1917 to current year. Published as "near Bennington" October 1917 to May 1919. Monthly discharge only for some periods, published in WSP 1310.

REVISED RECORDS.--WSP 806: Drainage area. WSP 926: 1935. WSP 1310: 1897-1903. WSP 1440: 1903, 1919, 1927.

GAGE.--Water-stage recorders. Datum of gage is 1,160.97 ft above NGVD of 1929. Prior to Nov. 30, 1903, nonrecording gage at present site and at different datum. Oct. 1, 1917, to May 31, 1919, nonrecording gage near Bennington, 27 mi upstream at different datum. June 1, 1919, to Sept. 30, 1922, nonrecording gage at present site at datum 2.00 ft higher. Oct. 1, 1922, to Apr. 25, 1934, nonrecording gage at present site and datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow moderately regulated since 1967 by Waconda Lake (station 06874200), 150.8 mi upstream. Slight regulation since 1955 by Kirwin Reservoir (station 06871700) and since 1956 by Webster Reservoir (station 06873100). Many small diversions upstream from station for irrigation. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	64	68	64	e58	74	209	71	61	234	564	73
2	102	65	68	64	e56	75	191	71	58	579	316	70
3	95	68	69	63	e52	74	142	70	56	1,600	209	66
4	91	72	69	63	e52	103	112	69	55	1,020	157	62
5	88	95	68	e61	e52	415	94	66	58	740	127	64
6	86	103	68	e61	e52	990	83	65	61	768	106	68
7	83	90	69	e62	e50	1,080	78	65	96	745	94	67
8	81	78	69	e63	e50	660	75	65	94	900	86	67
9	81	73	70	66	e52	433	75	64	71	1,710	90	66
10	76	71	67	65	e54	300	72	72	65	2,700	156	64
11	75	69	e65	65	e56	217	73	119	67	3,020	142	62
12	73	67	e66	66	e54	164	72	85	68	2,540	110	60
13	72	67	70	66	e56	133	71	73	63	1,690	116	58
14	72	69	69	67	e58	114	71	75	61	1,020	112	56
15	71	70	72	69	e56	103	69	71	63	624	109	57
16	70	70	69	67	e62	98	69	70	63	418	98	61
17	70	71	71	65	e80	93	69	70	62	302	87	64
18	70	70	70	65	100	86	69	68	70	237	80	68
19	70	70	70	64	103	83	68	66	75	193	82	70
20	69	73	70	64	102	81	68	66	69	160	86	69
21	69	71	70	68	104	90	68	65	67	138	107	67
22	68	68	68	64	93	100	69	64	68	120	130	65
23	68	68	67	63	90	87	72	64	68	115	110	67
24	67	69	67	63	86	78	80	63	67	129	152	65
25	66	71	68	64	88	75	80	62	66	140	183	61
26	66	72	68	65	86	74	79	62	63	154	106	62
27	65	70	67	63	83	98	72	62	61	159	86	67
28	65	67	66	e62	78	243	69	61	366	160	85	79
29	65	67	66	e58	75	132	66	63	603	142	85	69
30	64	67	66	e56	---	97	68	68	294	183	79	61
31	64	---	65	e56	---	99	---	66	---	590	74	---
MEAN	75.4	72.2	68.2	63.6	70.3	211	85.1	69.1	102	749	133	65.2
MAX	115	103	72	69	104	1,080	209	119	603	3,020	564	79
MIN	64	64	65	56	50	74	66	61	55	115	74	56
AC-FT	4,640	4,290	4,200	3,910	4,040	12,990	5,060	4,250	6,070	46,080	8,180	3,880

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1898 - 2004, BY WATER YEAR (WY)

MEAN	391	258	210	199	289	415	520	809	1,315	1,100	598	634
MAX	6,545	3,336	2,844	2,595	2,129	2,693	3,393	5,549	12,150	23,080	4,699	5,066
(WY)	(1974)	(1994)	(1994)	(1994)	(1993)	(1993)	(1987)	(1903)	(1951)	(1951)	(1950)	(1946)
MIN	16.2	22.5	19.0	17.5	26.3	35.9	41.7	32.1	69.7	27.1	17.9	5.60
(WY)	(1923)	(1957)	(1957)	(1940)	(1957)	(1957)	(1940)	(1956)	(1933)	(1901)	(1901)	(1956)

06876900 SOLOMON RIVER AT NILES, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1898 - 2004	
ANNUAL MEAN	138		148		562	
HIGHEST ANNUAL MEAN					4,113	1951
LOWEST ANNUAL MEAN					92.3	1970
HIGHEST DAILY MEAN	6,880	Sep 15	3,020	Jul 11	157,000	Jul 14, 1951
LOWEST DAILY MEAN	31	Jul 24	50	Feb 7	1.0	Sep 4, 1926
ANNUAL SEVEN-DAY MINIMUM	37	Jul 22	51	Feb 3	4.2	Sep 22, 1956
MAXIMUM PEAK FLOW			3,070	Jul 11	178,000	Jul 14, 1951
MAXIMUM PEAK STAGE			16.07	Jul 11	31.76	Jul 14, 1951
INSTANTANEOUS LOW FLOW			53	Jan 20	1.0	Sep 4, 1926
ANNUAL RUNOFF (AC-FT)	99,730		107,600		407,200	
10 PERCENT EXCEEDS	98		185		1,200	
50 PERCENT EXCEEDS	60		70		156	
90 PERCENT EXCEEDS	43		62		50	

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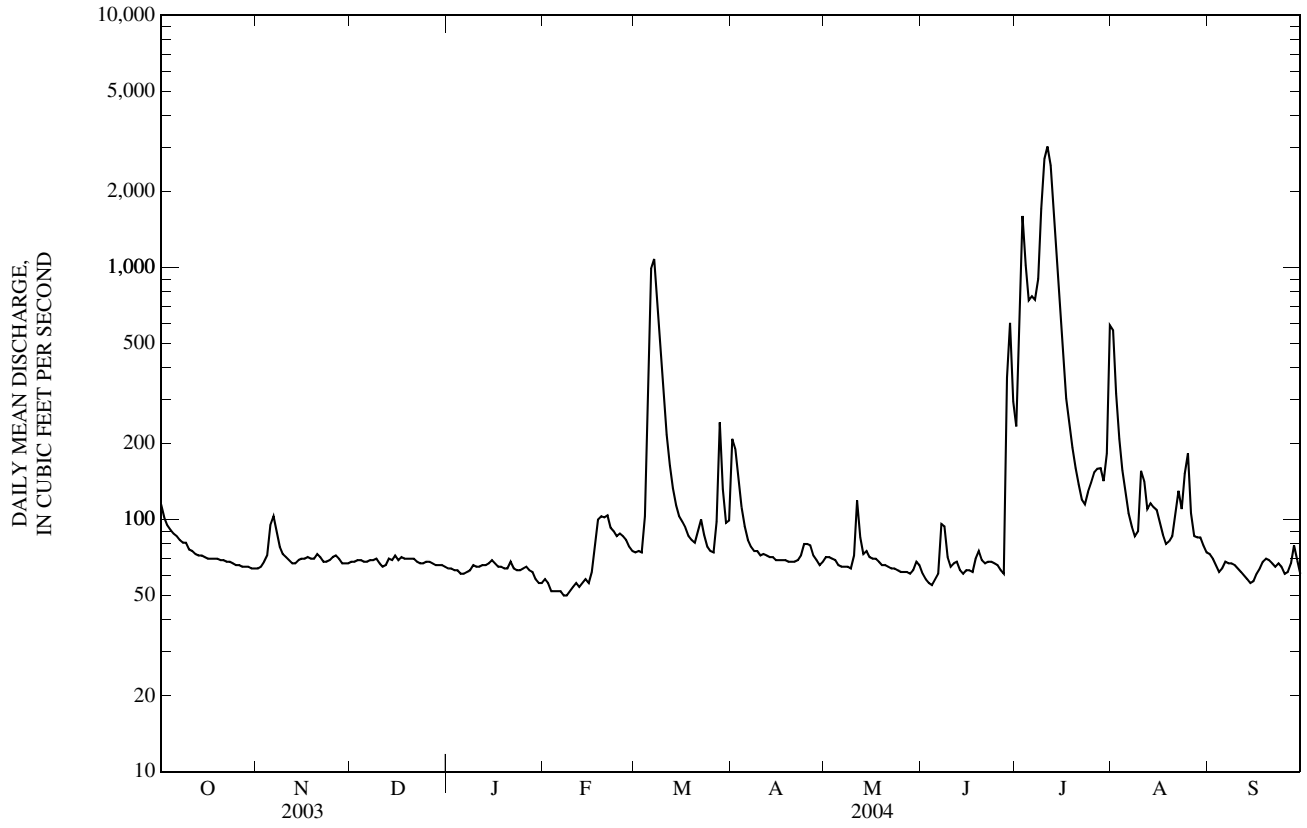

06877600 SMOKY HILL RIVER AT ENTERPRISE, KS

LOCATION.--Lat 38°54'23", long 97°07'03", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.13 S., R.3 E., Dickinson County, Hydrologic Unit 10260008, on right bank at downstream side of bridge on Kansas Highway 43 in Enterprise, 18.6 mi upstream from Chapman Creek, and at mile 43.3.

DRAINAGE AREA.--19,260 mi^2.

PERIOD OF RECORD.--October 1934 to current year.

REVISED RECORDS.--WSP 1390: 1935(M).

GAGE.--Water-stage recorder. Datum of gage is 1,098.25 ft above NGVD of 1929. Nov. 1, 1934, to Jan. 28, 1935, nonrecording gage and Jan. 29, 1935, to May 3, 1959, water-stage recorder at site 0.2 mi downstream at datum 0.40 ft lower, May 4, 1959, to Sept. 30, 1991, datum of gage 5.00 ft higher at same site. July 16, 1998, moved gage to new State Highway 43 bridge about 0.1 mi downstream from previous site at previous datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow affected by six lakes or reservoirs, and by numerous diversions upstream from station. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1903 reached stage of about 27 ft, present site and datum, from information by U.S. Army Corps of Engineers, discharge, 90,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	269	148	154	161	e151	204	473	312	254	465	870	284
2	262	150	154	156	e151	198	469	380	320	1,260	906	279
3	253	151	159	154	e151	207	495	367	256	2,630	679	270
4	237	157	159	150	e151	270	421	332	204	2,350	564	257
5	225	159	158	125	e152	3,510	371	290	190	1,410	511	248
6	218	170	155	e120	e152	5,830	336	254	186	2,630	517	247
7	210	195	157	e120	e152	5,090	310	233	185	2,830	482	256
8	208	195	160	e130	e152	2,800	290	218	179	1,700	444	253
9	232	179	173	e135	e152	1,680	275	211	218	2,040	423	246
10	257	177	138	e140	e153	1,120	273	243	191	4,750	416	240
11	757	173	e135	142	e154	841	265	339	171	4,380	449	234
12	711	170	e130	143	e156	675	258	343	164	4,350	482	226
13	370	160	e125	150	e157	578	262	313	158	4,610	444	218
14	282	151	e120	149	e158	513	261	352	155	3,320	475	206
15	243	151	e130	156	e158	477	258	373	182	1,920	452	207
16	226	153	e145	153	e159	447	246	311	153	1,270	416	198
17	211	157	156	164	e160	423	234	285	162	928	396	205
18	202	158	166	165	167	407	226	372	242	727	379	210
19	197	161	177	158	194	375	225	1,010	833	629	369	225
20	191	163	173	150	267	357	225	933	770	562	360	235
21	186	172	174	149	295	338	225	595	553	509	358	211
22	179	169	181	147	317	322	267	414	487	468	359	213
23	176	162	179	143	324	329	354	329	460	456	395	205
24	172	154	179	150	277	318	394	283	383	1,990	368	208
25	167	156	179	157	249	302	383	253	300	3,830	370	231
26	159	158	175	167	230	294	405	239	251	3,330	424	213
27	155	161	177	120	220	300	363	228	379	1,810	358	199
28	155	159	179	138	209	720	301	218	529	1,000	317	245
29	154	159	169	e147	212	960	273	204	342	760	304	273
30	150	154	167	e151	---	812	297	224	626	651	301	242
31	150	---	167	e151	---	647	---	220	---	609	297	---
MEAN	244	163	160	146	192	1,011	314	344	316	1,941	448	233
MAX	757	195	181	167	324	5,830	495	1,010	833	4,750	906	284
MIN	150	148	120	120	151	198	225	204	153	456	297	198
AC-FT	15,000	9,680	9,820	9,010	11,070	62,170	18,710	21,180	18,810	119,400	27,540	13,850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2004, BY WATER YEAR (WY)

MEAN	1,284	831	644	590	889	1,312	1,728	2,303	3,113	2,980	1,564	1,634
MAX	15,720	6,269	5,723	4,925	5,776	8,584	9,597	11,620	22,500	45,080	11,460	12,130
(WY)	(1974)	(1974)	(1974)	(1994)	(1949)	(1973)	(1973)	(1995)	(1951)	(1951)	(1993)	(1951)
MIN	65.9	96.6	74.2	55.0	89.0	98.1	96.0	102	310	141	115	58.6
(WY)	(1992)	(1940)	(1957)	(1940)	(1957)	(1935)	(1935)	(1956)	(1988)	(1991)	(2003)	(1956)

06877600 SMOKY HILL RIVER AT ENTERPRISE, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1935 - 2004	
ANNUAL MEAN	373		463		1,575	
HIGHEST ANNUAL MEAN					8,855	1951
LOWEST ANNUAL MEAN					293	1956
HIGHEST DAILY MEAN	7,890	Sep 16	5,830	Mar 6	207,000	Jul 14, 1951
LOWEST DAILY MEAN	95	Aug 14	120	Dec 14	38	Sep 23, 1956
ANNUAL SEVEN-DAY MINIMUM	97	Aug 14	130	Jan 5	44	Sep 20, 1956
MAXIMUM PEAK FLOW			6,490	Mar 6	233,000	Jul 14, 1951
MAXIMUM PEAK STAGE			16.35	Mar 6	33.96	Jul 14, 1951
INSTANTANEOUS LOW FLOW			73	Dec 10	10	Apr 23, 1935
ANNUAL RUNOFF (AC-FT)	269,900		336,200		1,141,000	
10 PERCENT EXCEEDS	581		763		3,820	
50 PERCENT EXCEEDS	188		236		546	
90 PERCENT EXCEEDS	114		151		157	

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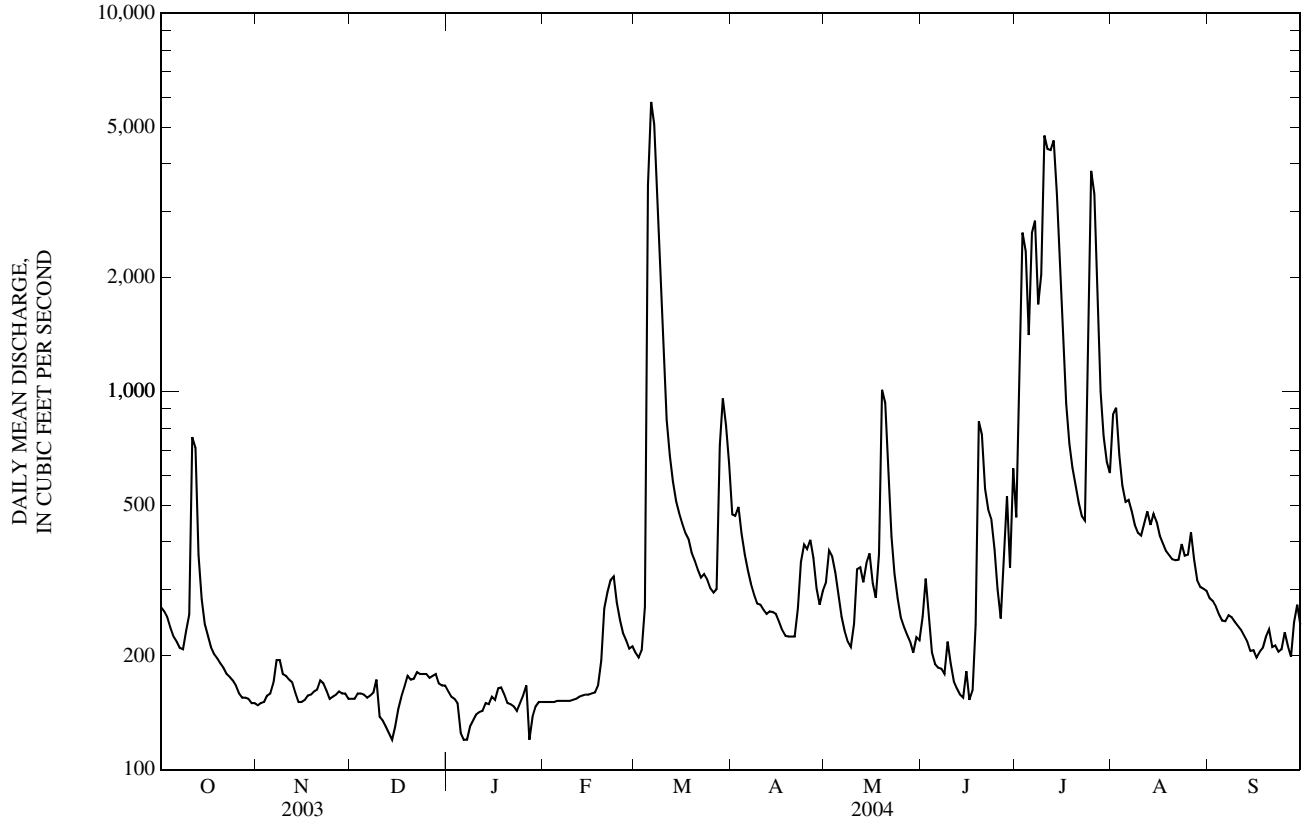


06878000 CHAPMAN CREEK NEAR CHAPMAN, KS

LOCATION.--Lat 39°01'52", long 97°02'24", in SW ¼ SE ¼ SE ¼ sec.1, T.12 S., R.3 E., Dickinson County, Hydrologic Unit 10260008, on right bank at downstream side of bridge on Kansas Highway 18, 5.0 mi northwest of Chapman, and at mile 10.0.

DRAINAGE AREA.--300 mi^2.

PERIOD OF RECORD.--December 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,102.41 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to May 5, 1959, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1951 reached a stage of 25.5 ft, from floodmarks, discharge, 46,700 ft^3/s, from rating curve extended above 12,000 ft^3/s on basis of contracted-opening measurement of peak flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 5	0900	2,120	17.70	Jul 7	0700	2,370	18.62
Jun 28	0700	*2,560	*19.29				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	9.9	7.7	8.8	7.3	15	27	24	8.4	55	25	2.1
2	4.6	7.9	8.9	9.6	e7.0	18	23	22	9.1	156	17	2.0
3	5.1	7.7	8.9	9.4	e6.6	23	21	26	8.5	285	13	1.9
4	5.4	9.8	8.5	8.7	e6.6	206	20	23	7.3	205	11	4.7
5	4.9	57	8.1	7.7	e6.4	1,840	19	20	6.1	68	9.7	5.5
6	4.6	59	8.1	7.6	e6.2	625	18	19	4.9	993	7.5	8.1
7	4.5	21	8.4	6.7	e6.0	109	18	17	6.7	1,760	6.9	9.2
8	5.1	13	8.1	6.9	e7.0	53	17	16	6.7	193	6.4	9.5
9	6.5	9.8	9.2	7.1	e7.6	35	17	16	6.7	334	6.5	9.6
10	6.6	8.3	9.5	7.5	e8.0	27	17	20	6.5	231	48	6.0
11	6.0	8.4	9.4	8.4	e8.4	23	16	105	6.0	70	39	4.6
12	7.8	8.0	8.7	9.0	e8.0	20	16	59	5.7	43	18	6.7
13	7.0	7.6	10	9.8	e8.4	19	16	31	6.3	32	12	6.7
14	6.3	7.7	9.5	9.8	e8.4	18	16	23	5.1	26	9.1	6.6
15	5.9	7.7	9.3	9.8	e8.4	19	16	19	13	22	7.7	7.6
16	5.7	7.6	9.7	9.9	8.4	18	16	19	8.3	20	7.0	e7.1
17	4.8	8.3	9.5	10	8.5	17	16	17	9.4	18	6.2	e6.2
18	5.5	8.9	9.6	11	9.2	17	17	15	26	17	3.7	e6.3
19	6.4	8.2	9.5	9.8	13	16	18	13	18	15	3.9	e6.8
20	6.9	8.1	9.5	9.1	47	15	17	13	10	13	4.8	e7.0
21	7.4	8.1	9.9	8.3	73	14	17	13	12	12	3.9	e7.0
22	6.8	7.8	9.9	8.8	47	14	18	12	7.7	9.7	3.9	e7.0
23	5.9	7.9	10	9.4	29	12	20	12	6.3	11	4.4	e7.0
24	5.4	7.9	9.9	9.1	21	13	29	11	5.7	27	4.6	e7.0
25	5.5	8.0	9.7	9.5	16	14	30	9.8	4.2	102	6.4	e7.0
26	6.1	8.0	10	11	14	14	37	9.0	3.9	70	4.5	e7.0
27	6.1	8.3	10	9.2	11	16	28	7.6	657	31	4.4	e7.0
28	6.5	8.4	10	9.7	12	488	21	6.2	1,990	20	3.6	e7.0
29	9.6	8.4	10	7.9	14	166	18	6.9	225	16	2.1	e7.3
30	7.3	8.1	9.6	7.7	---	55	25	9.7	64	71	2.2	e7.1
31	6.5	---	8.5	7.2	---	35	---	9.1	---	43	3.0	---
MEAN	6.05	12.2	9.28	8.85	14.9	128	20.1	20.1	105	160	9.85	6.49
MAX	9.6	59	10	11	73	1,840	37	105	1,990	1,760	48	9.6
MIN	4.5	7.6	7.7	6.7	6.0	12	16	6.2	3.9	9.7	2.1	1.9
AC-FT	372	724	570	544	860	7,880	1,200	1,240	6,260	9,860	606	386

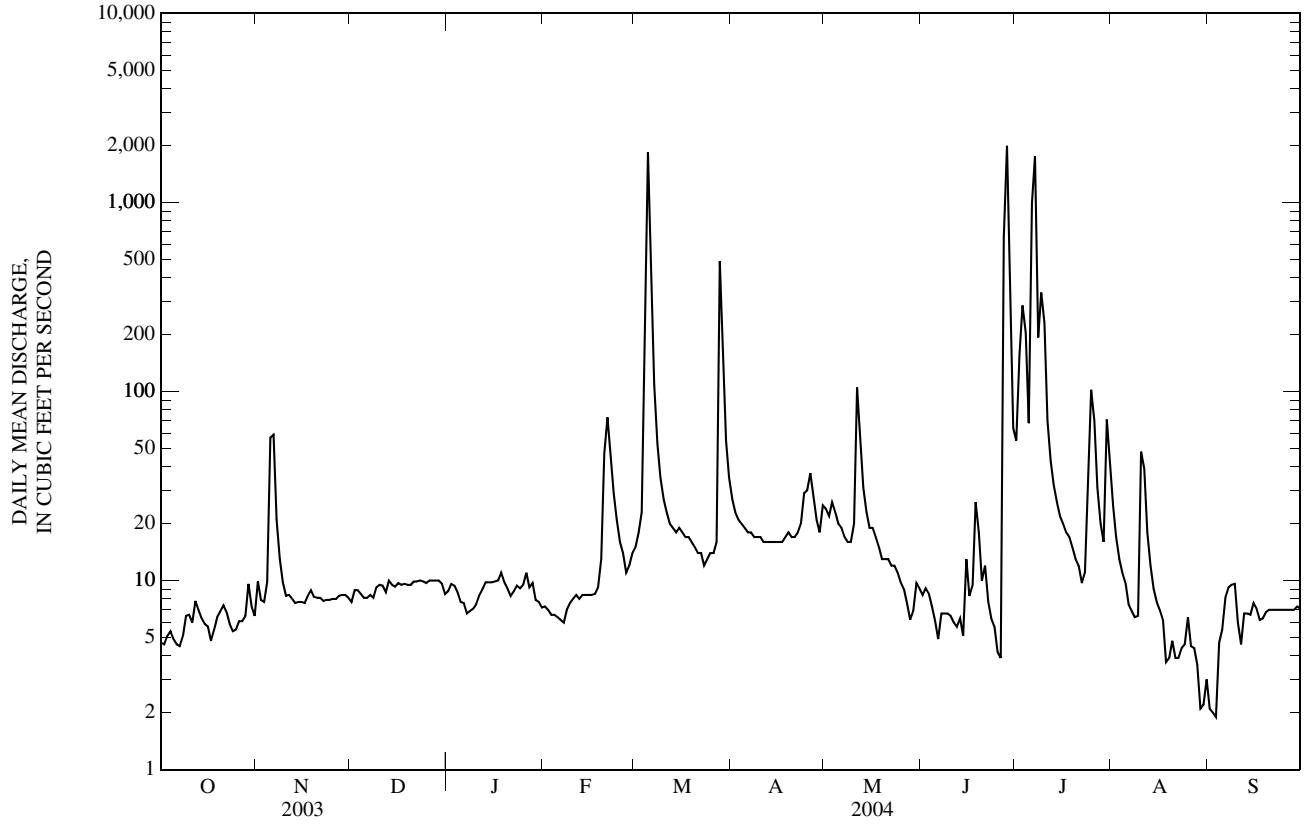
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2004, BY WATER YEAR (WY)

MEAN	68.1	50.4	34.1	35.7	64.1	114	98.2	176	159	131	64.8	70.3
MAX	943	659	214	223	263	690	594	1,115	963	1,479	375	598
(WY)	(1974)	(1999)	(1974)	(1962)	(1969)	(1973)	(1999)	(1995)	(1977)	(1993)	(1977)	(1973)
MIN	2.64	1.69	3.23	3.60	5.30	4.53	5.60	4.14	7.11	3.61	0.86	3.77
(WY)	(1958)	(1957)	(1957)	(1957)	(1957)	(1957)	(1956)	(1956)	(1956)	(1955)	(1955)	(1957)

06878000 CHAPMAN CREEK NEAR CHAPMAN, KS—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1955 - 2004	
ANNUAL MEAN	15.9		42.0		89.0	
HIGHEST ANNUAL MEAN					326	1993
LOWEST ANNUAL MEAN					11.4	1956
HIGHEST DAILY MEAN	724	Apr 25	1,990	Jun 28	12,600	Oct 12, 1973
LOWEST DAILY MEAN	0.60	Jul 27	1.9	Sep 3	0.20	Oct 10, 1956
ANNUAL SEVEN-DAY MINIMUM	1.1	Jul 26	2.4	Aug 28	0.41	Sep 20, 1956
MAXIMUM PEAK FLOW			2,560	Jun 28	15,800	Oct 12, 1973
MAXIMUM PEAK STAGE			19.29	Jun 28	24.08	Oct 12, 1973
INSTANTANEOUS LOW FLOW			1.3	Aug 29	0.10	Oct 10, 1956
ANNUAL RUNOFF (AC-FT)	11,540		30,490		64,460	
10 PERCENT EXCEEDS	19		40		118	
50 PERCENT EXCEEDS	9.7		9.5		23	
90 PERCENT EXCEEDS	2.9		5.7		7.4	

e Estimated



06878600 LYON CREEK NEAR JUNCTION CITY, KS

LOCATION.--Lat 38°56'57", long 96°51'29", in NE ¼ NW ¼ SE ¼ sec.3, T.13 S., R.5 E., Geary County, Hydrologic Unit 10260008, at downstream side of bridge on U.S. Highway 77 and at mile 4.4.

DRAINAGE AREA.--258 mi^2.

PERIOD OF RECORD.--October 2003 to September 2004.

GAGE.--Water-stage recorder. Elevation of gage is 1,075.00 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	16	13	12	12	19	51	53	22	48	102	23
2	11	14	13	12	11	20	48	74	18	144	91	22
3	11	13	14	13	11	22	45	51	17	447	79	21
4	11	12	14	12	11	60	42	41	16	108	68	20
5	10	12	15	11	11	2,760	39	39	16	76	63	24
6	10	12	15	7.6	12	872	38	36	16	106	55	30
7	10	12	14	6.0	16	298	40	33	16	178	52	25
8	10	12	13	10	15	186	34	33	15	107	49	25
9	11	12	13	12	15	147	32	31	14	619	49	22
10	12	12	15	11	17	119	31	34	14	413	46	20
11	18	12	14	12	20	104	34	35	16	183	44	19
12	17	12	14	12	16	79	32	33	16	114	41	18
13	15	13	14	12	16	70	31	33	38	88	41	18
14	14	14	13	12	16	68	31	38	110	72	39	17
15	12	13	14	12	17	61	30	33	347	62	38	17
16	12	13	14	12	16	58	35	e30	125	55	35	20
17	12	16	14	12	15	53	34	27	62	51	36	20
18	11	15	14	12	16	48	28	e33	928	46	35	24
19	13	14	14	12	23	44	30	e93	1,290	42	32	23
20	11	16	14	12	25	43	43	e94	271	39	32	20
21	11	15	14	12	29	41	32	58	166	38	31	16
22	11	13	14	12	32	34	30	41	136	34	30	14
23	11	13	13	12	22	32	35	e37	107	48	29	15
24	11	13	13	12	17	37	41	e33	88	2,720	31	16
25	11	13	14	12	15	41	37	e28	73	2,950	31	15
26	11	13	13	13	14	36	38	e22	60	580	29	15
27	11	13	13	14	14	40	33	23	79	299	27	14
28	12	14	15	13	14	50	30	21	83	209	25	13
29	13	14	18	12	15	107	28	20	61	163	25	13
30	13	13	15	12	---	75	50	22	49	135	25	13
31	13	---	13	12	---	60	---	20	---	116	25	---
MEAN	11.9	13.3	14.0	11.7	16.7	183	36.1	38.7	142	332	43.1	19.1
MAX	18	16	18	14	32	2,760	51	94	1,290	2,950	102	30
MIN	10	12	13	6.0	11	19	28	20	14	34	25	13
AC-FT	734	791	859	719	958	11,270	2,150	2,380	8,470	20,410	2,650	1,130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2004, BY WATER YEAR (WY)

MEAN	11.9	13.3	14.0	11.7	16.7	183	36.1	38.7	142	332	43.1	19.1
MAX	11.9	13.3	14.0	11.7	16.7	183	36.1	38.7	142	332	43.1	19.1
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	11.9	13.3	14.0	11.7	16.7	183	36.1	38.7	142	332	43.1	19.1
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

06878600 LYON CREEK NEAR JUNCTION CITY, KS—Continued

SUMMARY STATISTICS	FOR 2004 WATER YEAR	
ANNUAL MEAN	72.3	
HIGHEST DAILY MEAN	2,950	Jul 25
LOWEST DAILY MEAN	6.0	Jan 7
ANNUAL SEVEN-DAY MINIMUM	9.9	Jan 4
MAXIMUM PEAK FLOW	5,240	Jul 24
MAXIMUM PEAK STAGE	20.22	Jul 24
INSTANTANEOUS LOW FLOW	1.4	Jan 6
ANNUAL RUNOFF (AC-FT)	52,520	
10 PERCENT EXCEEDS	96	
50 PERCENT EXCEEDS	21	
90 PERCENT EXCEEDS	12	

e Estimated